03-10-2023 LETTING ITEM 063

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1321	2019-055-TS	COOK	112	1
	ILLINOIS	CONTRACT NO. 62J30		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

F.A.U. 1321: IL RTE 19 (IRVING PARK)
AT WISE RD
SECTION 2019–055–TS
PROJECT CMAQ–7JNK(944)
INTERSECTION IMPROVEMENT & TRAFFIC SIGNAL MODERNIZATION
COOK COUNTY

C–91–409–19

D-91-181-19

LOCATION OF SECTION INDICATED THUS: –

FOR INDEX OF SHEETS, SEE SHEET NO.

THE PROJECT IS LOCATED IN THE VILLAGES OF HANOVER PARK AND SCHAUMBURG

BEGIN PROJECT STA 387+92.28

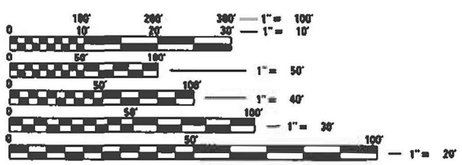
TRAFFIC DATA

2021 ADT

IL. RTE. 19 = 30900 ADT
WISE RD. = 14300 ADT

POSTED SPEED LIMIT

IL. RTE. 19 = 35 – 40 MPH
WISE RD./GEORGETOWN = 30 – 35 MPH

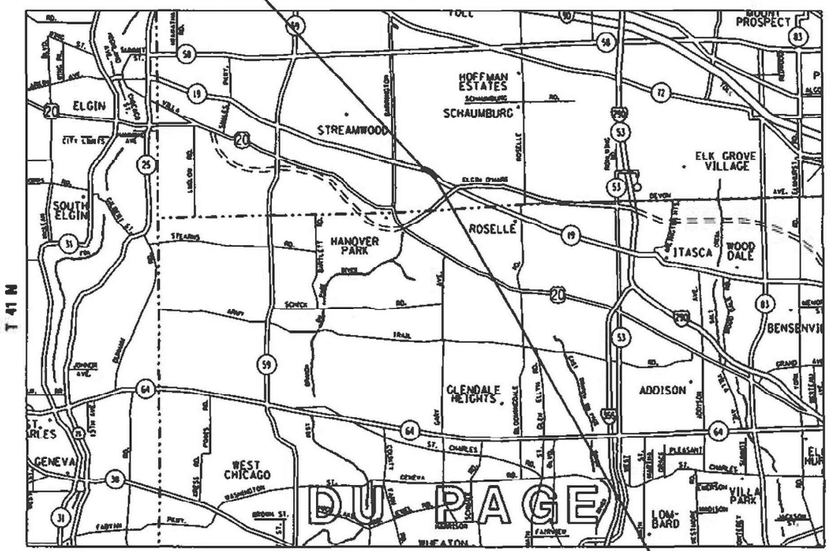


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1–800–892–0123
OR 811

R 10 E

T 41 N



SCHAUMBURG TOWNSHIP

END PROJECT STA 401+30.00

GROSS & NET LENGTH = 1338 FT. = 0.253 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 8 20 22
REGIONAL ENGINEER

February 3, 2023
ENGINEER OF DESIGN AND ENVIRONMENT

February 3, 2023
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROJECT ENGINEER: RODRIGO LEDEZMA (847) 705–4580
PROJECT MANAGER: J. ALAIN MIDY (847) 221–3056

CONTRACT NO. 62J30

INDEX OF SHEETS

STATE STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEM
442201-03	CLASS C AND D PATCHES
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN, TYPE A
602011-02	CATCH BASIN, TYPE C
602401-07	MANHOLE, TYPE A
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-05	FRAME AND LIDS TYPE 1
604091-05	FRAME AND GRATE, TYPE 24
606001-08	CONC. CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701101-05	OFF-ROAD OPERATION, MULTILANE, 15′ (4.5M) TO 24″ (600MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, 2L, 2W, MULTILANE, MORE THAN 15′ (4.5 M) AWAY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON-TRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE, INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
805001-01	ELECTRIC SERVICE INSTALLATIONS DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16′ THROUGH 55′
878001-11	CONCRETE FOUNDATION DETAIL
880001-01	SPIN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTOR LOOPS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	2
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

REV-SEP

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)

2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND VILLAGES OF SCHAUMBURG AND HANOVER PARK

3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

4. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 40 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OFTHE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

5. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

6. UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.

7. THE CONTRACTOR SHALL CONTACT DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT kalpana.kannan-hosadurga@illinois.gov. A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING OF WORK.

8. BEFORE BEGINING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKINGS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

9. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKINGS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

10. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

12. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

13. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS- RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.

14. THE RESIDENT ENGINEER SHALL CONTACT EMAD ALHUSSEINI, IDOT AREA TRAFFIC FIELD ENGINEER VIA E-MAIL AT emad.alhusseini@illinois.gov, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

15. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACE.

16. TOP OF FRAME ("RIM") ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAMES/GRATES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED, AS PART OF THE STRUCTURE COST. TOP OF RIM ELEVATIONS SHOWN ON THE PLANS FOR STRUCTURES LOCATED IN THE CURB LINE ARE GIVEN AT THE EDGE OF PAVEMENT. PROPOSED STORM SEWER LENGTHS PROVIDED IN THE QUANTITIES ARE FROM THE CENTER OF THE STRUCTURES.

17. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSYTEM OR TRUNKS. HAND EXCAVATION SHALL BE PERFORMED IF MAJOR ROOTS ARE PRESENT. MAJOR ROOT OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREAS AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC TO THE REMAINING TREE STRUCTURE. THE EXPENSE OF ANY REQUIRED HAND EXCAVATION AND/OR THE CUTTING OF MAJOR TREE ROOTS, AS DESCRIBED ABOVE, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT LINE ITEM BEING REMOVED OR INSTALLED AT THAT LOCATION. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

18. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE VILLAGES OF HANOVER PARK AND SCHAUMBURG. ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.

19. THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847-705-4171, TO SCHEDULE A WALK THROUGH TO DETERMINE TREES FOR PRUNING, ROOT PRUNING, REMOVAL, AND PROTECTION AT LEAST 7 DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

20. THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" AND AROUND EXISTING WETLANDSTO ESTABLISH A "WETLAND PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED, OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE" AND "WETLAND PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

21. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

22. ON STATE STANDARDS 482001, AGGREGATE SUBGRADE IMPROVEMENT 12" (300 MM) SHALL BE USED AS THE IMPROVED SUBGRADE. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE IMPROVEMENT UNDER THE SHOULDER SHALL BE INCLUDED IN THE COST PER SQ YARD (SQ METER) OF AGGREGATE SUBGRADE IMPROVEMENT 12" (300 MM).

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	PLOT DATE = 12/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	3
		CONTRACT NO. 62J30		
		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

23. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU YD) WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 (01/01/2012) AND THE IDOT SUBGRADE STABILITY MANUAL (05/01/2005). IF UNSTABLE AND/OR UNSUITABLE SOILS IS NOT ENCOUNTERED, THEN THE QUALITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

24. PIPE UNDERDRAINS TYPE 2 SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6'' BELOW THE SUBGRADE OR UNDERCUT. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

25. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATION AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.

26. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b,C) OF THE SSRBC WILL NOT BE ALLOWED

27. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER POLYMERIZED HMA BINDER COURSE IL-4.75 N50

28. THE CONTRACTOR SHALL CONTACT THE ROADSIDE DEVELOPMENT UNIT (847) 705-4171, AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT OF THE TREES, PERENNIALS, AND BULBS.

29. THE CONTRACTOR SHALL PROVIDE A MINIMUM 5' DIAMETER SPADED MULCH RING FOR ANY NEW TREES.

30. THE RESIDENT ENGINEER SHALL CONTACT VILLAGE OF HANOVER PARK ENGINEER AT (630) 823-5700 OR jstelle@hpil.org. FOR THE REMOVAL OR RELOCATION OF THE ''VILLAGE OF HANOVER PARK'' MONUMENT SIGN.

31. ''THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12'' LOWER LIFT SHALL BE CS 1 OR RR 1''

32. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENTS THAT WILL OCCUR WITHIN TWO WEEKS ON THE SAME APPROACH OF THE EFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	4
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		

	SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
	CODE NO	ITEM	UNIT		ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20%	TRAFFIC 0021 VILLAGE 100%	TRAFFIC 0021 INTERCONNECT FEDERAL 80% STATE 20%	LIGHTING 0021 VILLAGE 100%	
	20101000	TEMPORARY FENCE	FOOT	930	930					
*	20101200	TREE ROOT PRUNING	EACH	30	30					
*	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	10	10					
*	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	15	15					
	20200100	EARTH EXCAVATION	CU YD	409	409					
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE	CU YD	119	119					
		MATERIAL								
	20400800	FURNISHED EXCAVATION	CU YD	514	514					
	20800150	TRENCH BACKFILL	CU YD	115.9	115.9					
	21001000	GEOTECHNICAL FABRIC FOR GROUND	SQ YD	356	356					
		STABILIZATION								
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	870	870					
	25000750	MOWING	ACRE	5	5					
*	25200110	SODDING, SALT TOLERANT	SQ YD	2544	2544					
	25200200	SUPPLEMENTAL WATERING	UNIT	25	25					
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	50	50					
	28000400	PERIMETER EROSION BARRIER	FOOT	2187	2187					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20%	TRAFFIC 0021 VILLAGE 100%	TRAFFIC 0021 INTERCONNECT FEDERAL 80% STATE 20%	LIGHTING 0021 VILLAGE 100%	
28000510	INLET FILTERS	EACH	15	15					
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	119	119					
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1602	1602					
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	524	524					
35400450	PORTLAND CEMENT CONCRETE BASE COURSE	SQ YD	655	655					
	WIDENING 9 1/2"								
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	74	74					
35501322	HOT-MIX ASPHALT BASE COURSE, 9 1/2"	SQ YD	772	772					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8344	8344					
40600370	LONGITUDINAL JOINT SEALANT	FOOT	4774	4774					
40600400	MIXTURE FOR CRACKS, JOINTS, AND	TON	18	18					
	FLANGEWAYS								
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT	SQ YD	114	114					
	JOINT								
40601005	HOT-MIX ASPHALT REPLACEMENT OVER	TON	80	80					
	PATCHES								
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER	TON	733	733					
	COURSE, IL-4.75, N50								

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.
SUMMARY OF QUANTITIES

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	5
		CONTRACT NO. 60J30		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

REV-SEP

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20%	TRAFFIC 0021 VILLAGE 100%	TRAFFIC 0021 INTERCONNECT FEDERAL 80% STATE 20%	LIGHTING 0021 VILLAGE 100%	
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5,	TON	9	9					
	MIX "D", N50								
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE	TON	1409	1409					
	COURSE, STONE MATRIX ASPHALT, 9.5, MIX								
	"F", N80								
42001300	PROTECTIVE COAT	SQ YD	2948	2948					
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY	SQ YD	127	127					
	PAVEMENT, 8 INCH								
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5	SQ FT	10986	10986					
	INCH								
42400800	DETECTABLE WARNINGS	SQ FT	206	206					
44000100	PAVEMENT REMOVAL	SQ YD	780	780					
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	11886	11886					
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	355	355					
44000300	CURB REMOVAL	FOOT	100	100					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3000	3000					
44000600	SIDEWALK REMOVAL	SQ FT	9888	9888					
44002212	HOT-MIX ASPHALT REMOVAL OVER PATCHES,	SQ YD	480	480					
	3"								

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20%	TRAFFIC 0021 VILLAGE 100%	TRAFFIC 0021 INTERCONNECT FEDERAL 80% STATE 20%	LIGHTING 0021 VILLAGE 100%	
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	200	200					
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	140	140					
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	140	140					
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	12	12					
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	105	105					
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	8	8					
55100500	STORM SEWER REMOVAL 12"	FOOT	80	80					
55100900	STORM SEWER REMOVAL 18"	FOOT	8	8					
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	150	150					
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	1735	1735					
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE	EACH	3	3					
	24 FRAME AND GRATE								
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND	EACH	11	11					
	GRATE								
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	2	2					
60250500	CATCH BASINS TO BE ADJUSTED WITH NEW	EACH	4	4					
	TYPE 1 FRAME, CLOSED LID								

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.
SUMMARY OF QUANTITIES

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	6
		CONTRACT NO. 60J30		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

REV-SEP

	SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
	CODE NO	ITEM	UNIT		ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20%	TRAFFIC 0021 VILLAGE 100%	TRAFFIC 0021 INTERCONNECT FEDERAL 80% STATE 20%	LIGHTING 0021 VILLAGE 100%	
	60260100	INLETS TO BE ADJUSTED	EACH	4	4					
	60260400	INLETS TO BE ADJUSTED WITH NEW TYPE 1	EACH	3	3					
		FRAME, CLOSED LID								
	60261540	INLETS TO BE ADJUSTED WITH NEW TYPE 24	EACH	2	2					
		FRAME AND GRATE								
	60600605	CONCRETE CURB, TYPE B	FOOT	80	80					
	60603800	COMBINATION CONCRETE CURB AND GUTTER,	FOOT	584	584					
		TYPE B-6.12								
	60605000	COMBINATION CONCRETE CURB AND GUTTER,	FOOT	3007	3007					
		TYPE B-6.24								
	60618320	CONCRETE MEDIAN SURFACE, 6 INCH	SQ FT	840	840					
	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	232	232					
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6	FOOT	276	276					
		FOOT POSTS								
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	2	2					
		(SPECIAL) TANGENT								
	63200310	GUARDRAIL REMOVAL	FOOT	230	230					
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	775	775					
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5					

	SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
	CODE NO	ITEM	UNIT		ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20%	TRAFFIC 0021 VILLAGE 100%	TRAFFIC 0021 INTERCONNECT FEDERAL 80% STATE 20%	LIGHTING 0021 VILLAGE 100%	
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION	LSUM	1	1					
		PLAN								
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION	LSUM	1	1					
		REPORT								
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	90	90					
	67100100	MOBILIZATION	L SUM	1	1					
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	90	90					
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	60	60					
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	9588	9588					
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	11176	11176					
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND	SQ FT	539.9	539.9					
		SYMBOLS - PAINT								
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"-	FOOT	1920	1920					
		PAINT								
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"-	FOOT	1682	1682					
		PAINT								
	70300251	TEMPORARY PAVEMENT MARKING - LINE 8"-	FOOT	230	230					
		PAINT								

FILE NAME =	USER NAME = AddisAbebaw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.
SUMMARY OF QUANTITIES

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	7
		CONTRACT NO. 60J30		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

REV-SEP

	SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
	CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20%	TRAFFIC 0021 VILLAGE 100%	TRAFFIC 0021 INTERCONNECT FEDERAL 80% STATE 20%	LIGHTING 0021 VILLAGE 100%
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"-	FOOT	812	812				
		PAINT							
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"-	FOOT	184	184				
		PAINT							
	70306120	TEMPORARY PAVEMENT MARKING - LINE 4" -	FOOT	4260	4260				
		TYPE III TAPE							
	70307100	TEMPORARY PAVEMENT MARKING LETTERS AND	SQ FT	219.6	219.6				
		SYMBOLS - TYPE IV TAPE							
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" -	FOOT	11052	11052				
		TYPE IV TAPE							
	70307130	TEMPORARY PAVEMENT MARKING - LINE 6" -	FOOT	1361	1361				
		TYPE IV TAPE							
	70307160	TEMPORARY PAVEMENT MARKING - LINE 12"-	FOOT	60	60				
		TYPE IV TAPE							
	70307210	TEMPORARY PAVEMENT MARKING - LINE 24"-	FOOT	165	165				
		TYPE IV TAPE							
*	72000100	SIGN PANEL - TYPE 1	SQ FT	99	51	48			
*	72000200	SIGN PANEL - TYPE 2	SQ FT	73		73			
*	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1				
*	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	25	25				

	SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
	CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20%	TRAFFIC 0021 VILLAGE 100%	TRAFFIC 0021 INTERCONNECT FEDERAL 80% STATE 20%	LIGHTING 0021 VILLAGE 100%
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2				
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	120	120				
*	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	8	8				
*	78000100	THERMOPLASTIC PAVEMENT MARKING -	SQ FT	539.9	539.9				
		LETTERS AND SYMBOLS							
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	1920	1920				
		4"							
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	1682	1682				
		6"							
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	230	230				
		8"							
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	812	812				
		12"							
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	184	184				
		24"							
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	152	152				
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	2	2				
	78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	127	127				
		REMOVAL							

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.
SUMMARY OF QUANTITIES

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	8
		CONTRACT NO. 60J30		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

REV-SEP

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20%	TRAFFIC 0021 VILLAGE 100%	TRAFFIC 0021 INTERCONNECT FEDERAL 80% STATE 20%	LIGHTING 0021 VILLAGE 100%	
78300202	PAVEMENT MARKING REMOVAL - WATER	SQ FT	5918	5918					
	BLASTING								
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	1534		1014		520		
	2" DIA.								
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	99		99				
	3" DIA.								
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	1009		518			491	
	4" DIA.								
81400100	HANDHOLE	EACH	5		3		2		
81400200	HEAVY-DUTY HANDHOLE	EACH	2		2				
81400300	DOUBLE HANDHOLE	EACH	3		3				
81603047	UNIT DUCT, 600V, 3-1C NO. 6, 1/C NO. 6	FOOT	2076					2076	
	GROUND, (XLP-TYPE USE), 1 1/4" DIA.								
	POLYETHYLENE								
81800330	AERIAL CABLE, 3-1/C NO. 6 WITH	FOOT	650					650	
	MESSENGER WIRE								
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT	EACH	9					9	
	DESIGNATION H								
83050770	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 10	EACH	3					3	
	FT. MAST ARM								

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20%	TRAFFIC 0021 VILLAGE 100%	TRAFFIC 0021 INTERCONNECT FEDERAL 80% STATE 20%	LIGHTING 0021 VILLAGE 100%	
83057355	LIGHT POLE, WOOD, 60 FOOT, CLASS 4,	EACH	4					4	
	WITH 15FT MAST ARM								
83600365	LIGHT POLE FOUNDATION, METAL, 15" BOLT	EACH	10					10	
	CIRCLE, 10" X 8'								
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15	EACH	10					10	
	INCH BOLT CIRCLE								
84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	7					7	
84200804	REMOVAL OF POLE FOUNDATION	EACH	7					7	
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	7					7	
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL	EACH	2				2		
	INSTALLATION								
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1				1		
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO.	FOOT	2100				2100		
	14 1C								
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	1220		1220				
	14 2C								
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	2240		2240				
	14 3C								
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	2470		2470				
	14 5C								

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.
SUMMARY OF QUANTITIES

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	9
		CONTRACT NO. 60J30		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

* SPECIALTY ITEM

REV-SEP

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20%	TRAFFIC 0021 VILLAGE 100%	TRAFFIC 0021 INTERCONNECT FEDERAL 80% STATE 20%	LIGHTING 0021 VILLAGE 100%	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	1890		1890				
	14 7C								
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.	FOOT	2200		2200				
	14 1 PAIR								
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO.	FOOT	320		320				
	6 2 C								
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT	FOOT	1000		1000				
	GROUNDING CONDUCTOR, NO. 6 1C								
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL	EACH	2		2				
	16 FT.								
87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL	EACH	1		1				
	18 FT.								
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36	EACH	1		1				
	FT.								
87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44	EACH	1		1				
	FT.								
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48	EACH	1		1				
	FT.								
87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52	EACH	1		1				
	FT.								
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16		16				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20%	TRAFFIC 0021 VILLAGE 100%	TRAFFIC 0021 INTERCONNECT FEDERAL 80% STATE 20%	LIGHTING 0021 VILLAGE 100%	
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4				
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH	FOOT	52		52				
	DIAMETER								
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION,	EACH	8		8				
	MAST-ARM MOUNTED								
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION,	EACH	5		5				
	BRACKET MOUNTED								
88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION,	EACH	2		2				
	BRACKET MOUNTED								
88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION,	EACH	2		2				
	MAST ARM MOUNTED								
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION,	EACH	2		2				
	BRACKET MOUNTED								
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION,	EACH	2		2				
	MAST-ARM MOUNTED								
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE,	EACH	6		6				
	BRACKET MOUNTED WITH COUNTDOWN TIMER								
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED,	EACH	12		12				
	FORMED PLASTIC								
88500100	INDUCTIVE LOOP DETECTOR	EACH	7		7				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.
SUMMARY OF QUANTITIES

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	10
		CONTRACT NO. 60J30		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

REV-SEP

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20%	TRAFFIC 0021 VILLAGE 100%	TRAFFIC 0021 INTERCONNECT FEDERAL 80% STATE 20%	LIGHTING 0021 VILLAGE 100%	
88600100	DETECTOR LOOP, TYPE I	FOOT	300		300				
88700200	LIGHT DETECTOR	EACH	1			1			
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1			1			
89000200	TEMPORARY TRAFFIC SIGNAL INSTALLATION	L SUM	1		1				
89501400	RELOCATE EXISTING EMERGENCY VEHICLE	EACH	3			3			
	PRIORITY SYSTEM, DETECTOR UNIT								
89501410	RELOCATE EXISTING EMERGENCY VEHICLE	EACH	1			1			
	PRIORITY SYSTEM, PHASING UNIT								
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2220				2220		
89502375	REMOVE EXISTING TRAFFIC SIGNAL	EACH	1		1				
	EQUIPMENT								
89502380	REMOVE EXISTING HANDHOLE	EACH	9		7		2		
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1		1				
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9		9				
* A2005040	TREE, GYMNOCLADUS DIOICUS ESPRESSO-JFS	EACH	2	2					
	(ESPRESSO KENTUCKY COFFEETREE), 2-1/2"								
	CALIPER, BALLED AND BURLAPPED								

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20%	TRAFFIC 0021 VILLAGE 100%	TRAFFIC 0021 INTERCONNECT FEDERAL 80% STATE 20%	LIGHTING 0021 VILLAGE 100%	
* B2006316	TREE, SYRINGA RETICULATA IVORY SILK	EACH	8	8					
	(IVORY SILK JAPANESE TREE LILAC), 2"								
	CALIPER, TREE FORM, BALLED AND								
	BURLAPPED								
* K0012970	PERENNIAL PLANTS, BULB TYPE	UNIT	2	2					
* K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE,	UNIT	1	1					
	GALLON POT								
* K0026850	PERENNIAL PLANT CARE	SQ YD	150	150					
* K0036120	MULCH PLACEMENT 4"	SQ YD	125	125					
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE	FOOT	740			740			
	SENSOR CABLE, NO. 20 3/C								
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	785				785		
X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER	EACH	1		1				
	P CABINET (SPECIAL)								
X1400150	SERVICE INSTALLATION, GROUND MOUNTED,	EACH	1		1				
	METERED								
X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1		1				
X1400388	VIDEO VEHICLE DETECTION SYSTEM, SINGLE	EACH	2		2				
	APPROACH								
* X2010400	STUMP REMOVAL ONLY	UNIT	38	38					

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DEPARTMENT OF TRANSPORTATION

IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.
SUMMARY OF QUANTITIES

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	11
		CONTRACT NO. 60J30		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

REV-SEP

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20%	TRAFFIC 0021 VILLAGE 100%	TRAFFIC 0021 INTERCONNECT FEDERAL 80% STATE 20%	LIGHTING 0021 VILLAGE 100%	
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	5	5					
X4403300	CONCRETE MEDIAN REMOVAL	SQ FT	290	290					
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	500	500					
X6030310	FRAMES AND LIDS TO BE ADJUSTED	EACH	7	7					
	(SPECIAL)								
X6061100	CONCRETE MEDIAN, TYPE SB (SPECIAL)	SQ FT	2988	2988					
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12					
X7010216	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1					
	(SPECIAL)								
X8212031	LUMINAIRE, TYPE A (SPECIAL)	EACH	3					3	
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1				
X8710024	FIBER OPTIC CABLE IN CONDUIT, NO.	FOOT	2100				2100		
	62.5/125, MM12F SM24F								
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6		6				
X8772115	TEMPORARY MAST ARM, ALUMINUM, 15FT	EACH	5					5	
X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH	FOOT	4		4				
	DIAMETER								
Z0004554	BARRIER MEDIAN REMOVAL	SQ FT	915	915					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
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Z0018400	DRAINAGE STRUCTURES TO BE ADJUSTED	EACH	9	9					
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	10	10					
Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	8	8					
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	102.8	102.8					
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	3					3	
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6					6	
Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL	EACH	1				1		
	2								
Z0036200	PAINT CURB	FOOT	40	40					
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1				
Ø Z0076600	TRAINEES	HOURS	500	500					
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500					

Ø 0042

☐NON-PART 100% STATE

FILE NAME = pw:\\Idot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\Projects\P125413\CADData\Design\P125413-Design.dgn	USER NAME = AddisAdebow	DESIGNED -	REVISED -
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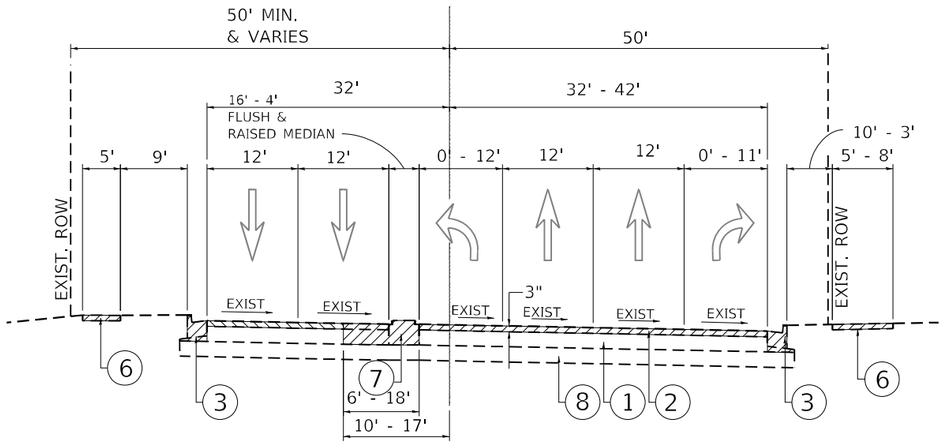
IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.
SUMMARY OF QUANTITIES

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

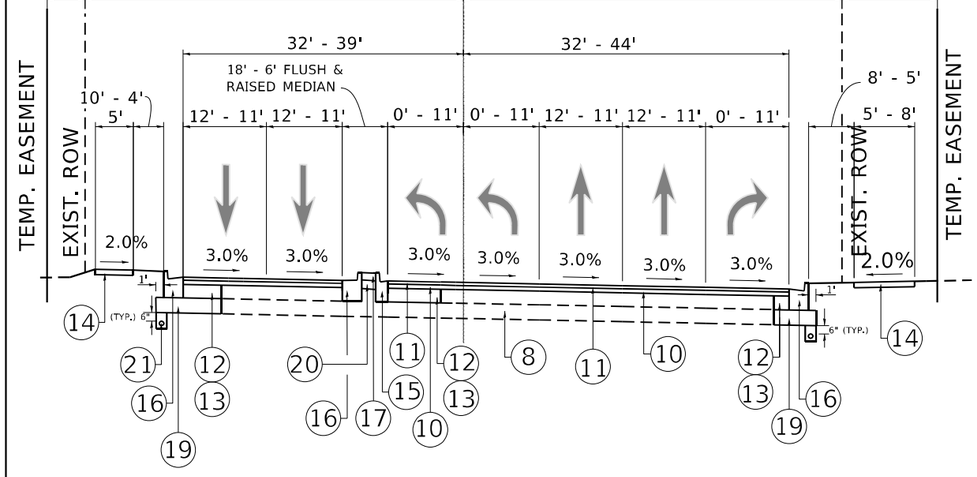
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	12
		CONTRACT NO. 60J30		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

REV-SEP



EXISTING TYPICAL SECTION

IRVING PARK ROAD (IL RTE 19)
STA. 387+92.28 TO STA. 401+30



PROPOSED TYPICAL SECTION

IRVING PARK ROAD (IL RTE 19)
STA. 387+92.28 TO STA. 401+30

NOTE:

1. THE LONGITUDINAL JOINT SHALL BE PLACED OVER POLY. BINDER COURSE IL-4.75 N50
2. MILL TO TOP OF EXISTING P.C.C BASE AND REMOVE HMA SCABS LEFT FROM MILLING

LEGEND

1. EXISTING P.C.C PAVEMENT, 10"
2. EXISTING HOT-MIX ASPHALT SURFACE COURSE, 3"
3. EXISTING HOT-MIX ASPHALT PAVEMENT AFTER MILLING (SEE NOTE #2)
4. EXISTING COMB. CONC. CURB AND GUTTER
5. EXISTING CONCRETE MEDIAN
6. EXISTING SIDEWALK
7. EXISTING MEDIAN
8. EXISTING AGGREGATE SUBGRADE
9. PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 3"
10. PROP. POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"
11. PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, SMA,9.5, MIX "F", N80, 2"
12. PROP. HOT-MIX ASPHALT BASE COURSE, 9 1/2"- (PROP. WIDENING > 6 FT.)
13. PROP. P.C.C BASE COURSE WIDENING, 9 1/2" - (PROP. WIDENING < 6 FT.)
14. PROP. P.C.C SIDEWALK
15. PROP. COMB. CONC. CURB & GUTTER, TYPE B-6.12

15A. PROP. CONCRETE MEDIAN, TYPE SB (SPECIAL) - [MEDIAN 6' AND LESS]

16. PROP. COMB. CONC. CURB & GUTTER, TYPE B-6.24
17. PROP. CONCRETE MEDIAN SURFACE, 6"
18. PROP. CONCRETE MEDIAN, TYPE SB-6.12
19. PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
20. PROP. SUBBASE GRANULAR MATERIAL, TYPE A, 4"

** 21. PROP. PIPE UNDERDRAINS, 4"

MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE USES	**VOIDS © Ndes**	
PAVEMENT WIDENING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA,9.5, MIX "F", N80	3.5% @ 80 GYR	QC/QA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	3.5% AT 50 GYR.	QC/QA
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19.0 mm), 9 1/2"	4% AT 90 GYR.	QC/QA
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA,9.5, MIX "F", N80	3.5% @ 80 GYR	QC/QA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	3.5% AT 50 GYR.	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER, IL-19.0)	4% AT 70 GYR.	QC/QA
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19mm)	4% AT 70 GYR.	QC/QA
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D, N50 IL 9.5 mm); 2"	4% AT 50 GYR.	QC/QA
HMA BASE COURSE (HMA BINDER IL-19mm); CE-8"	4% AT 50 GYR.	QC/QA

QMP Designation: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP)

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN

NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

THE CONTRACTOR SHALL PATCH FIRST THEN MILL

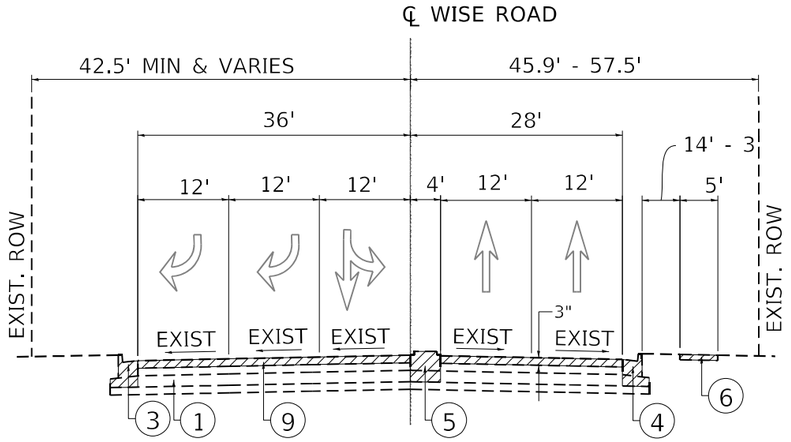
USER NAME = Addis.Abebaw	DESIGNED -	REVISED - REV. 1/10/23 A.A
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/18/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS
IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.

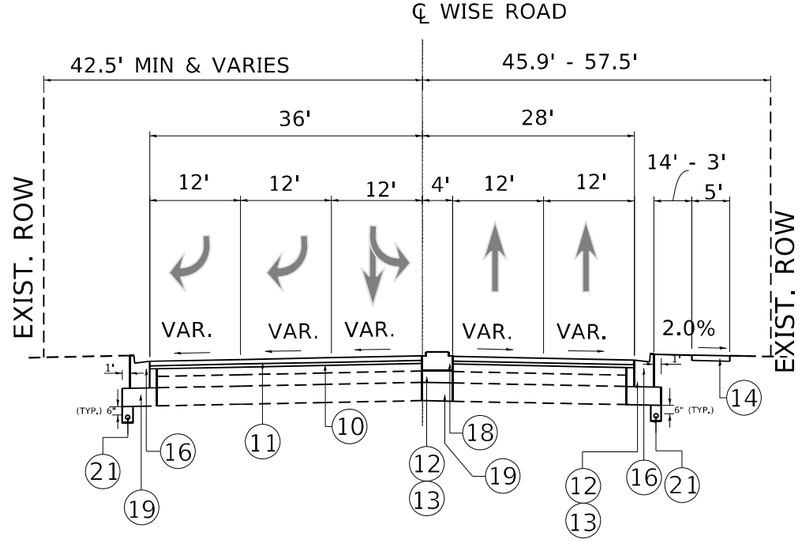
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	13
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	



EXISTING TYPICAL SECTION

WISE RD./GEORGETOWN DR.



PROPOSED TYPICAL SECTION

WISE RD./GEORGETOWN DR.

NOTE:

1. THE LONGITUDINAL JOINT SHALL BE PLACED OVER POLY. BINDER COURSE IL-4.75 N50
2. MILL TO TOP OF EXISTING P.C.C BASE AND REMOVE HMA SCABS LEFT FROM MILLING

LEGEND

1. EXISTING P.C.C PAVEMENT, 10"
2. EXISTING HOT-MIX ASPHALT SURFACE COURSE, 3"
3. EXISTING HOT-MIX ASPHALT PAVEMENT AFTER MILLING (SEE NOTE #2)
4. EXISTING COMB. CONC. CURB AND GUTTER
5. EXISTING CONCRETE MEDIAN
6. EXISTING SIDEWALK
7. EXISTING MEDIAN
8. EXISTING AGGREGATE SUBGRADE
9. PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 3"
10. PROP. POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"
11. PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, SMA,9.5, MIX "F", N80, 2"
12. PROP. HOT-MIX ASPHALT BASE COURSE, 9 1/2"- (PROP. WIDENING > 6 FT.)
13. PROP. P.C.C BASE COURSE WIDENING, 9 1/2" - (PROP. WIDENING < 6 FT.)
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15. PROP. COMB. CONC. CURB & GUTTER, TYPE B-6.12

15A. PROP. CONCRETE MEDIAN, TYPE SB (SPECIAL) - [MEDIAN 6' AND LESS]

16. PROP. COMB. CONC. CURB & GUTTER, TYPE B-6.24
17. PROP. CONCRETE MEDIAN SURFACE, 6"
18. PROP. CONCRETE MEDIAN, TYPE SB-6.12
19. PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
20. PROP. SUBBASE GRANULAR MATERIAL, TYPE A, 4"

** 21. PROP. PIPE UNDERDRAINS, 4"

** INSTALL LONGITUDINAL PIPE UNDERDRAINS BELOW THE PAVEMENT IN AREAS WHERE THE ROAD WILL BE WIDENED. THE DRAINS SHOULD BE INSTALLED IN THE LOW AREAS AND AT BASE OF ANY UNDERCUTS. THE UNDERDRAINS SHOULD TIE INTO THE DRAINAGE SYSYTEM WHEN POSSIBLE AND SHOULD BE INSTALLED PER ARTICLE 601 IN THE IDOT STANDARD SPEC. AND CONSIST OF TYPE 2 UNDERDRAINS. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS

THE CONTRACTOR SHALL PATCH FIRST THEN MILL

USER NAME = Addis.Abebaw	DESIGNED -	REVISED - REV. 1/10/23 A.A
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/18/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS
IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	14
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	

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EARTHWORK SCHEDULE

IL RTE. 68	EARTH EXCAVATION (CU. YD.)	TOP SOIL EXCAVATION (CU. YD.)	USED AS TOP SOIL (SHRINKAGE 15%) (CU. YD.)	EXCAVATION USED AS EMBANKMENT (SHRINKAGE 15%) (CU. YD.)	EMBANKMENT (CU. YD.)	TOP SOIL PLACEMENT (CU. YD.)	EARTH WORK BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)	TOP SOIL BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)
STAGE I	334	464	394	284	506	169	- 222	225
STAGE II	54	406	345	49	266	111	- 217	234
STAGE III	21	0	0	18	93	0	- 75	0
TOTAL	409	870	739	351	865	280	- 514	459

STUMP REMOVAL ONLY

STATION	OFFSET/SIDE (FEET)	UNIT (DIA.)	UNIT (DIA.)
391+66	38' L	8	
393+53	47' L	8	
397+49	65.6' R	6	
397+52	89.3' L	4	
388+58.5	40.5' R	6	
388+77.6	40.5' R	6	

STATION	OFFSET/SIDE (FEET)	UNIT (DIA.)	UNIT (DIA.)

STATION	OFFSET/SIDE (FEET)	UNIT (DIA.)	UNIT (DIA.)

TOTAL	6 TO 15 UNIT DIAMETER	OVER 15 UNIT DIAMETER
	38	0

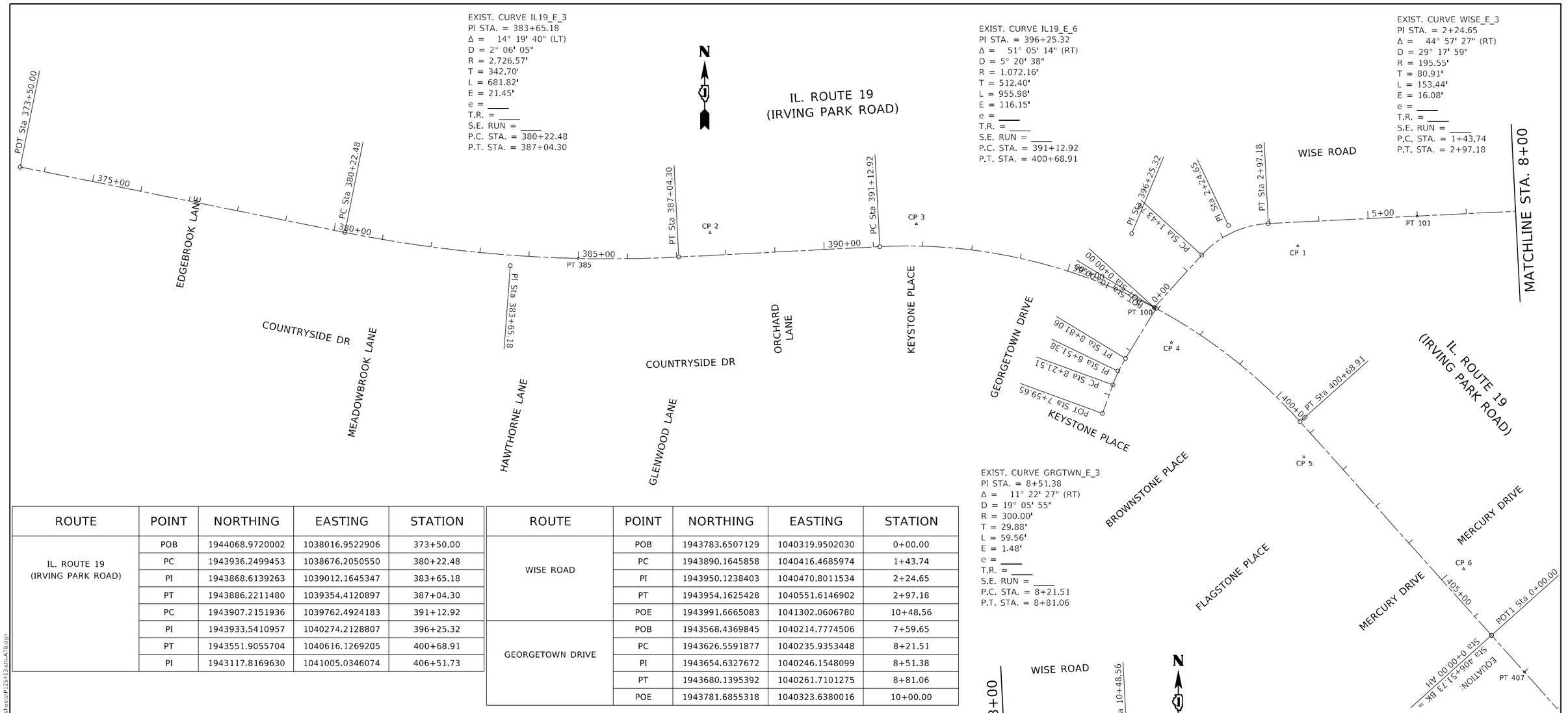
FILE NAME = P125413-Design.dgn	USER NAME = Addis.Abebaw	DESIGNED	REVISED -
		DRAWN	REVISED -
	PLOT SCALE = 100.0031 ' / in.	CHECKED	REVISED -
	PLOT DATE = 12/13/2022	DATE	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.
SCHEDULES OF QUANTITIES

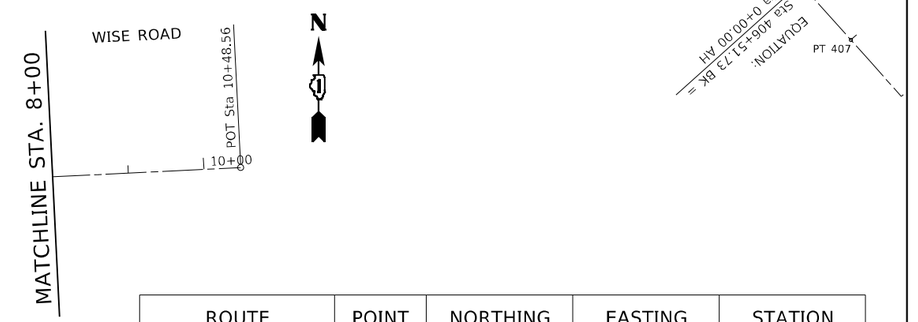
SCALE: NONE | SHEET NO. OF SHEETS | STA. TO STA.

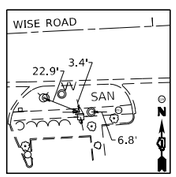
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	15
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		



ROUTE	POINT	NORTHING	EASTING	STATION
IL. ROUTE 19 (IRVING PARK ROAD)	POB	1944068.9720002	1038016.9522906	373+50.00
	PC	1943936.2499453	1038676.2050550	380+22.48
	PI	1943868.6139263	1039012.1645347	383+65.18
	PT	1943886.2211480	1039354.4120897	387+04.30
	PC	1943907.2151936	1039762.4924183	391+12.92
	PI	1943933.5410957	1040274.2128807	396+25.32
	PT	1943551.9055704	1040616.1269205	400+68.91
	PI	1943117.8169630	1041005.0346074	406+51.73

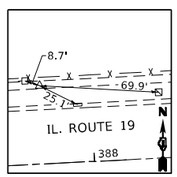
ROUTE	POINT	NORTHING	EASTING	STATION
WISE ROAD	POB	1943783.6507129	1040319.9502030	0+00.00
	PC	1943890.1645858	1040416.4685974	1+43.74
	PI	1943950.1238403	1040470.8011534	2+24.65
	PT	1943954.1625428	1040551.6146902	2+97.18
	POE	1943991.6665083	1041302.0606780	10+48.56
GEORGETOWN DRIVE	POB	1943568.4369845	1040214.7774506	7+59.65
	PC	1943626.5591877	1040235.9353448	8+21.51
	PI	1943654.6327672	1040246.1548099	8+51.38
	PT	1943680.1395392	1040261.7101275	8+81.06
	POE	1943781.6855318	1040323.6380016	10+00.00





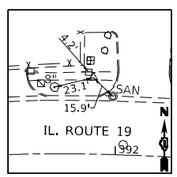
CONTROL POINT 1

"X" IN S/W S. SIDE WISE ROAD
STA. 3+54.65
N= 1943900.8777
E= 1040611.4225
ELEV.= 813.001



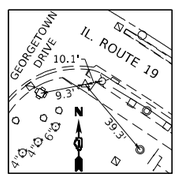
CONTROL POINT 2

"X" IN S/W N. SIDE IL. ROUTE 19
STA. 387+76.10
N= 1942935.5082
E= 1039417.7516
ELEV.= 802.942



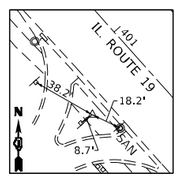
CONTROL POINT 3

"X" IN S/W N. SIDE IL. ROUTE 19
STA. 391+86.46
N= 1943953.4116
E= 1039836.7238
ELEV.= 802.111



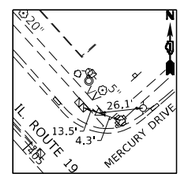
CONTROL POINT 4

"X" IN SIDEWALK IN THE S.E. CORNER OF IL. ROUTE 19 AND GEORGETOWN DRIVE / WISE ROAD
ELEVATION ESTABLISHED BY GPS REL NETWORK
STA. 397+57.82
N= 1943712.7281
E= 1040354.9223
ELEV.= 805.581



CONTROL POINT 5

"X" IN ISLAND S. SIDE OF IL. ROUTE 19
STA. 401+27.58
N= 1943480.2120
E= 1040624.0391
ELEV.= 805.187



CONTROL POINT 6

"X" IN S/W ON N.W. CORNER IL. ROUTE 19 AND MERCURY DRIVE
STA. 405+13.39
N= 1943252.8038
E= 1040948.3795
ELEV.= 801.806

BENCHMARK #1

ELEV. = 803.17

☐ - CUT IN S.E. CORNER OF T.C.B. IN THE N.W. CORNER OF IL. ROUTE 19 AND MERCURY DRIVE

BENCHMARK #2

ELEV. = 809.256

☐ - CUT IN IN N.W. CORNER OF CONC. BASE OF T.C.B. IN THE N.E. CORNER OF IL. ROUTE 19 AND WISE ROAD

BENCHMARK #3

ELEV. = 803.490

☐ - CUT IN S.W. CORNER CONC. BASE OF T.C.B. IN THE N.E. CORNER OF IL. ROUTE 19 AND OLD SALEM DRIVE

ROUTE	POINT	NORTHING	EASTING	STATION
IL. ROUTE 19 (IRVING PARK ROAD)	PT 385	1943883.4235000	1039150.1923001	385+00.02
	PT 100	1943783.6507000	1040319.9502000	396+90.89
	PT 407	1943043.3077000	1041071.6983001	0+99.98
WISE ROAD	PT 100	1943783.6507000	1040319.9502000	0+00.00
	PT 101	1943969.2773001	1040854.0585000	6+00.00

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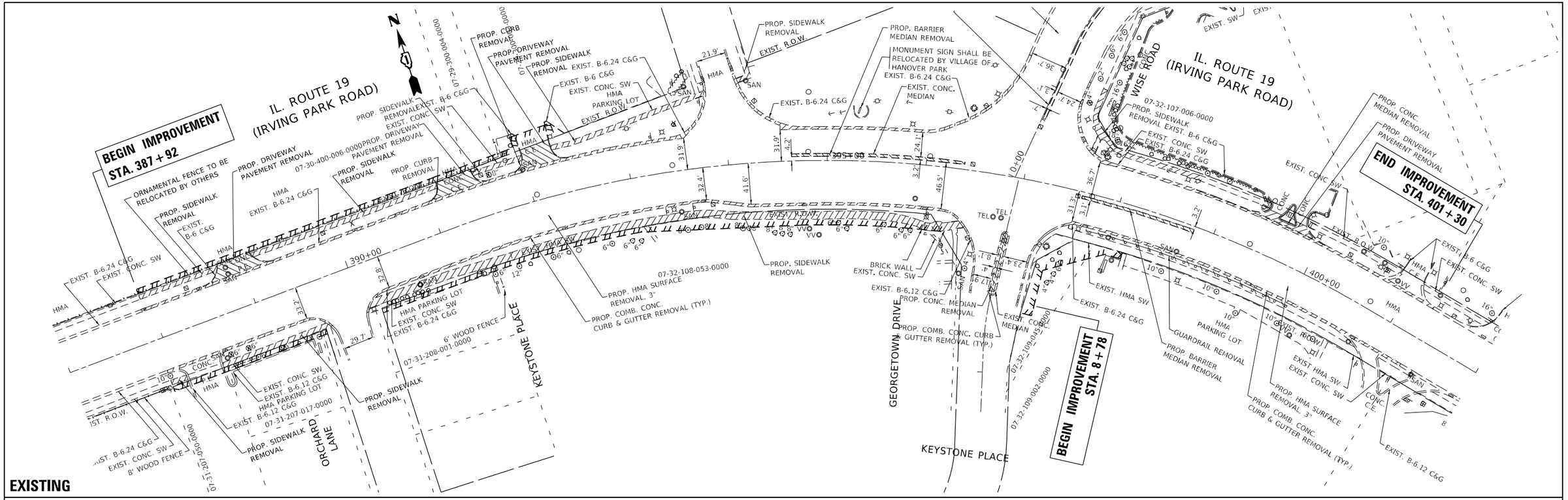
	DRAWN -	REVISED -	
PLOT SCALE = 200.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/13/2022	DATE -	REVISED -	

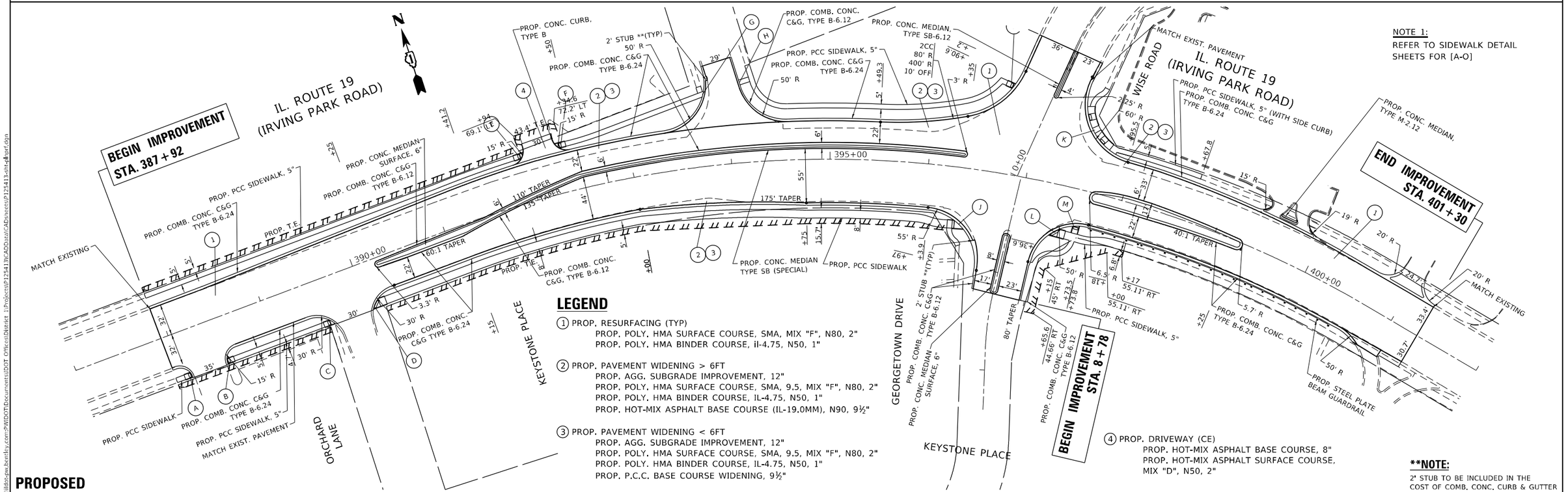
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS
IL. ROUTE 19 (IRVING PARK ROAD) AT WISE ROAD

SCALE: 1"= 100' | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	16
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	





NOTE 1:
REFER TO SIDEWALK DETAIL SHEETS FOR [A-O]

LEGEND

(1) PROP. RESURFACING (TYP)
PROP. POLY. HMA SURFACE COURSE, SMA, MIX "F", N80, 2"
PROP. POLY. HMA BINDER COURSE, iL-4.75, N50, 1"

(2) PROP. PAVEMENT WIDENING > 6FT
PROP. AGG. SUBGRADE IMPROVEMENT, 12"
PROP. POLY. HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
PROP. POLY. HMA BINDER COURSE, IL-4.75, N50, 1"
PROP. HOT-MIX ASPHALT BASE COURSE (IL-19.0MM), N90, 9½"

(3) PROP. PAVEMENT WIDENING < 6FT
PROP. AGG. SUBGRADE IMPROVEMENT, 12"
PROP. POLY. HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
PROP. POLY. HMA BINDER COURSE, IL-4.75, N50, 1"
PROP. P.C.C. BASE COURSE WIDENING, 9½"

(4) PROP. DRIVEWAY (CE)
PROP. HOT-MIX ASPHALT BASE COURSE, 8"
PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"

**NOTE:
2' STUB TO BE INCLUDED IN THE COST OF COMB. CONC. CURB & GUTTER

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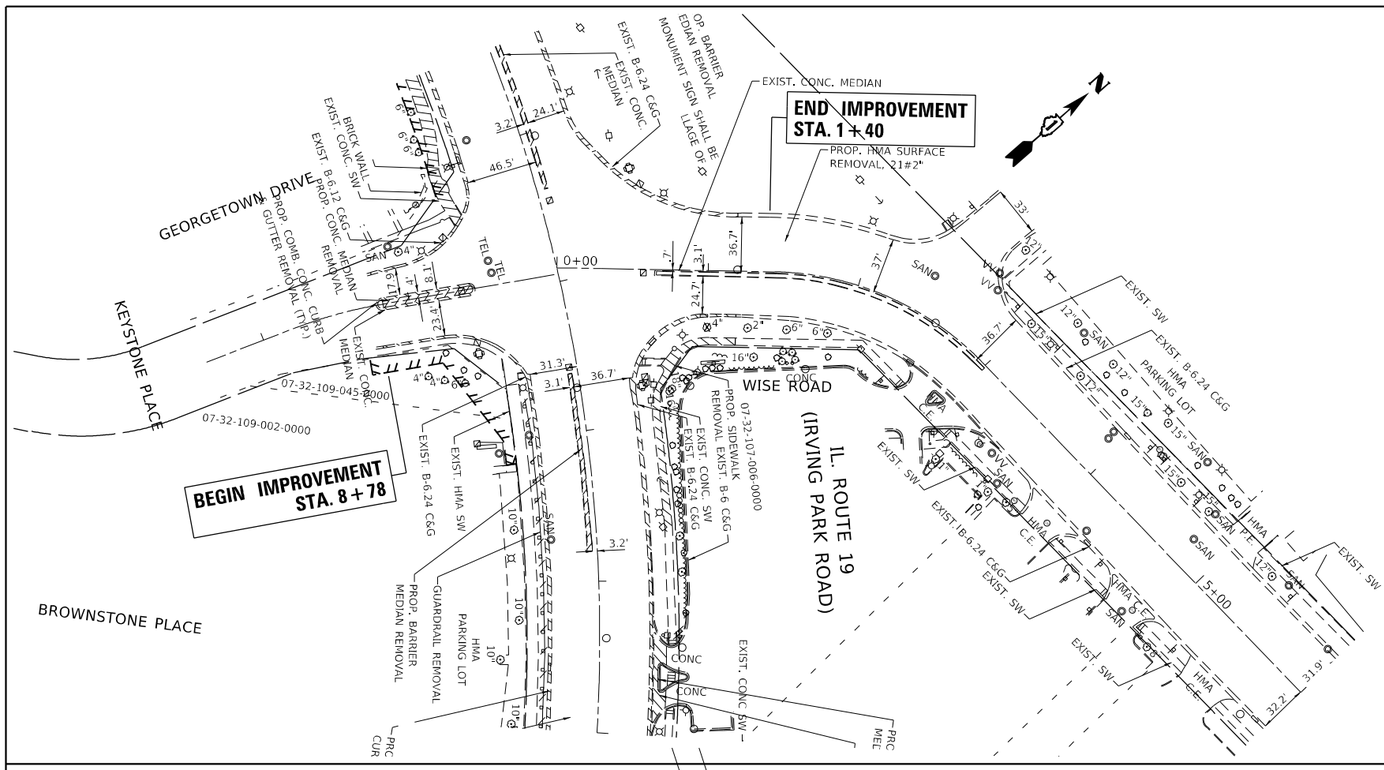
USER NAME = Addis,Abebaw	DESIGNED -	REVISED - REV. 1/10/23 A.A	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED ROADWAY PLAN U.S. ROUTE 19 (IRVING PARK ROAD) AT WISE ROAD/GEORGETOWN DRIVE	
	DRAWN -	REVISED -			
PLOT SCALE = 100.0340 ' / in.	CHECKED -	REVISED -			
PLOT DATE = 1/11/2023	DATE -	REVISED -		SCALE: 1"= 50' SHEET OF SHEETS STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	17
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	



EXISTING

PROPOSED

LEGEND

(1) PROP. RESURFACING (TYP)
- PROP. POLY. HMA SURFACE COURSE, SMA, MIX "F", N80, 2"
- PROP. POLY. HMA BINDER COURSE, iL-4.75, N50, 1"

(2) PROP. PAVEMENT WIDENING > 6FT
- PROP. AGG. SUBGRADE IMPROVEMENT, 12"
- PROP. POLY. HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
- PROP. POLY. HMA BINDER COURSE, IL-4.75, N50, 1"
- PROP. HOT-MIX ASPHALT BASE COURSE (IL-19.0MM), N90, 9½"

(3) PROP. PAVEMENT WIDENING < 6FT
- PROP. AGG. SUBGRADE IMPROVEMENT, 12"
- PROP. POLY. HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
- PROP. POLY. HMA BINDER COURSE, IL-4.75, N50, 1"
- PROP. P.C.C. BASE COURSE WIDENING, 9½"

(4) PROP. DRIVEWAY (CE)
- PROP. HOT-MIX ASPHALT BASE COURSE, 8"
- PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"

****NOTE:**

2' STUB TO BE INCLUDED IN THE COST OF COMB. CONC. CURB & GUTTER

USER NAME = Addis.Abebaw	DESIGNED -	REVISED - REV. 1/10/23 A.A
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/11/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
U.S. ROUTE 19 (IRVING PARK ROAD) AT WISE ROAD/GEORGETOWN DRIVE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	18
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

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PLAN

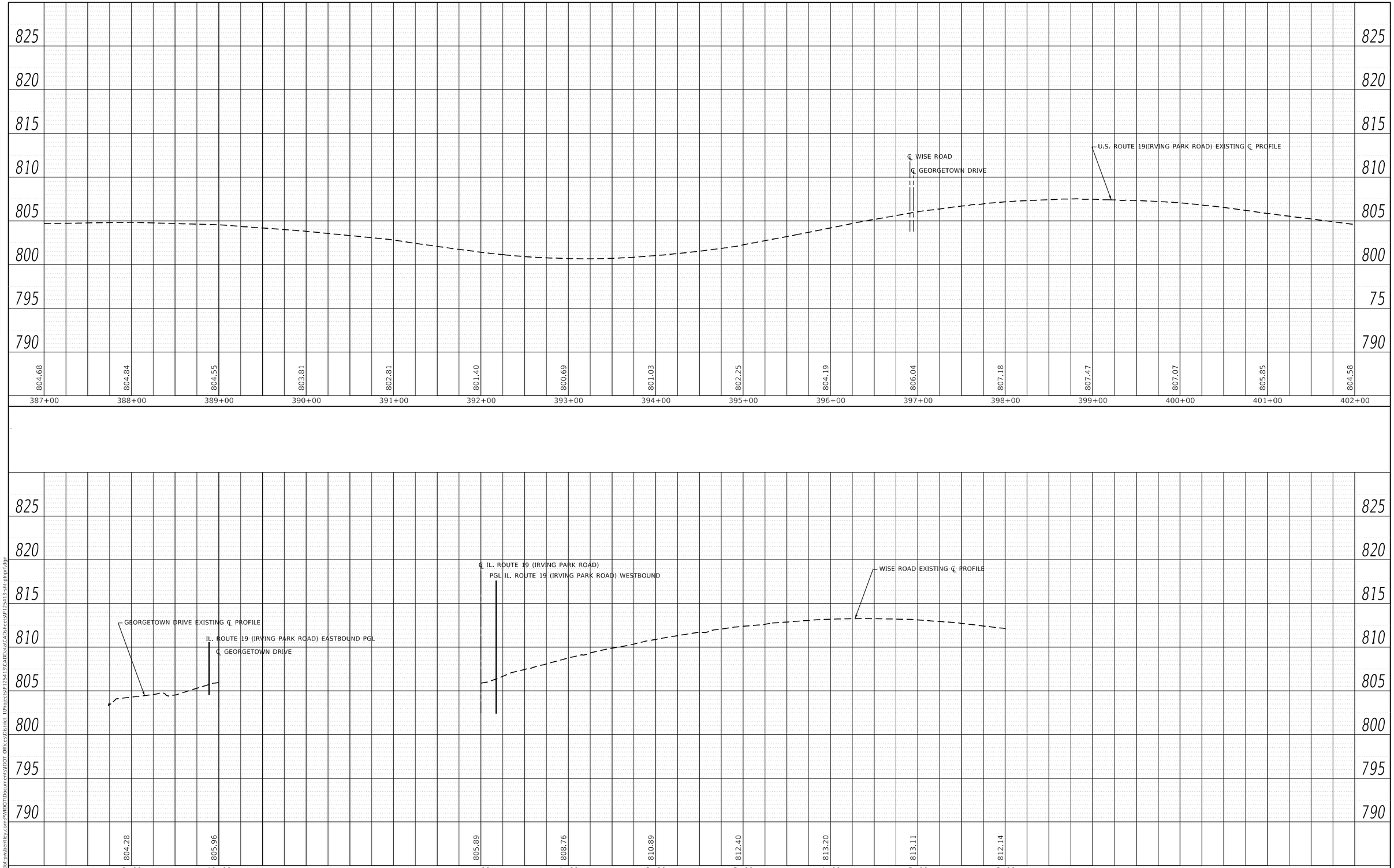
SURVEYED	
PLOTTED	
GRADES CHECKED	
AS-BUILT	
STRUCTURE NO.	
NOTE BOOK	
NO.	

BY	DATE

PROFILE

SURVEYED	
PLOTTED	
GRADES CHECKED	
AS-BUILT	
STRUCTURE NO.	
NOTE BOOK	
NO.	

BY	DATE



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	DRAWN -	REVISED -
PLOT SCALE = 100.1047 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PROFILE
U.S. ROUTE 19 (IRVING PARK ROAD) AT WISE ROAD/GEORGETOWN DRIVE

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	19
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		

PRE-STAGE

INSTALL SIGNS SHOWN ON DETAILS "ARTERIAL ROAD INFORMATION SIGN" PLACE PRIOR TO THE START OF CONSTRUCTION ACTIVITY ON ILLINOIS ROUTE 19 AT WISE RD.

CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN 2 WEEKS ON THE APPROACH OF THE EFFECTED ROADWAY. THE SIGN LOCATION SHALL BE DETERMINED BY THE ENGINEER.

STAGE I

ESTABLISH TRAFFIC CONTROL AS SHOWN ON THE SUGGESTED STAGING & TRAFFIC CONTROL STAGE I. THIS WORK SHALL BE PAID FOR AS TRAFFIC CONTROL & PROTECTION (SPECIAL)

INSTALL TEMPORARY EROSION CONTROL MEASURE AS SHOWN ON THE EROSION CONTROL PLAN, (SEE NOTE)

PLACE THE CROSS ROAD SEWER, PAVEMENT SHALL BE REMOVED AND REPLACED WITH CLASS "D" PATCH. THIS WORK SHALL BE DONE USING THE APPROPRIATE TRAFFIC CONTROL & PROTECTION STANDARD

REMOVE EXIST. CURB & GUTTER & SIDEWALK ON NORTH SIDE OF IL 19 AND INSTALL PROP. CURB & GUTTER, SIDEWALK, HMA BASE COURSE, STORM SEWER, DITCHES SWALES, SODDING AND ALL OTHER COLLATERAL WORK AS SHOWN ON STAGE I PLANS.

STAGE II

ESTABLISH TRAFFIC CONTROL AS SHOWN ON THE SUGGESTED STAGING & TRAFFIC CONTROL STAGE II. THIS WORK SHALL BE PAID FOR AS TRAFFIC CONTROL & PROTECTION (SPECIAL)

INSTALL TEMPORARY EROSION CONTROL MEASURE AS SHOWN ON THE EROSION CONTROL PLAN, (SEE NOTE)

REMOVE EXIST. SIDEWALK, CURB & GUTTER & AGG. SHOULDER ON SOUTH SIDE OF IL 19 AND INSTALL PROP. SIDEWALK, HMA BASE COURSE COURSE WIDENING, STORM SEWER, DITCHES, SWALES, SODDING AND ALL OTHER COLLATERAL WORK AS SHOWN ON STAGE II PLANS.

STAGE III

REMOVE EXIST. MEDIAN & INSTALL HMA BASE COURSE AND MEDIAN

MILL EXSIT. PAVEMENT AND INSTALL FINAL SURFACE & BINDER (SEE LOC.) ON THE MILLED AND WIDENING AREA, INSTALL FINAL PAVEMENT MARKING, RAISED REFLECTIVE PAVEMENT MARKERS AND ALL OTHER COLLATERAL WORK AS SHOWN ON STAGE III TYPICAL SECTION.

NOTE:

ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITION.

FILE NAME = P125413-sht-staging.dgn	USER NAME = Addis.Abebaw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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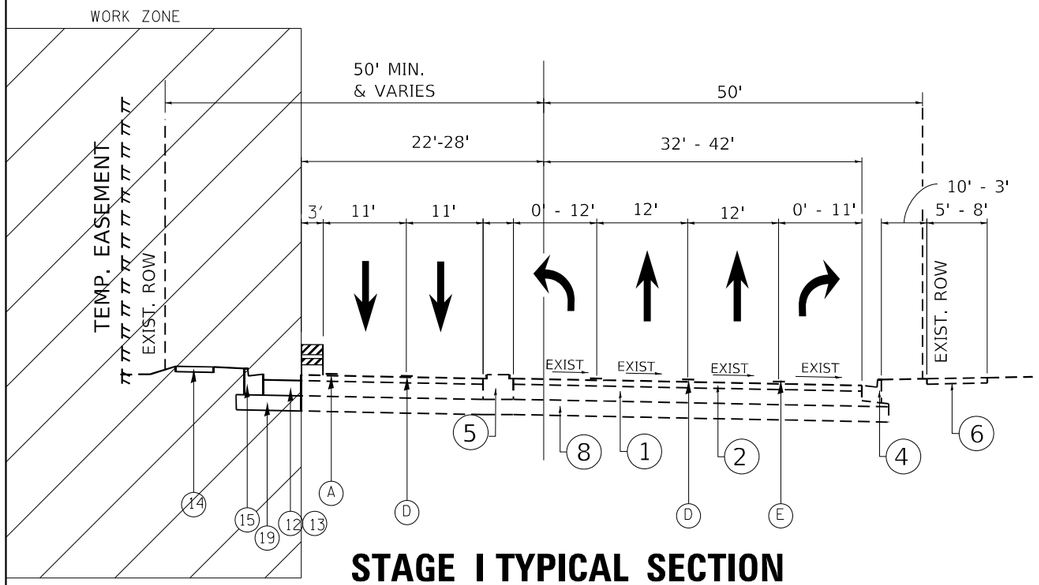
	PLOT DATE = 12/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 19 AT WISE RD.
CONSTRUCTION NOTES

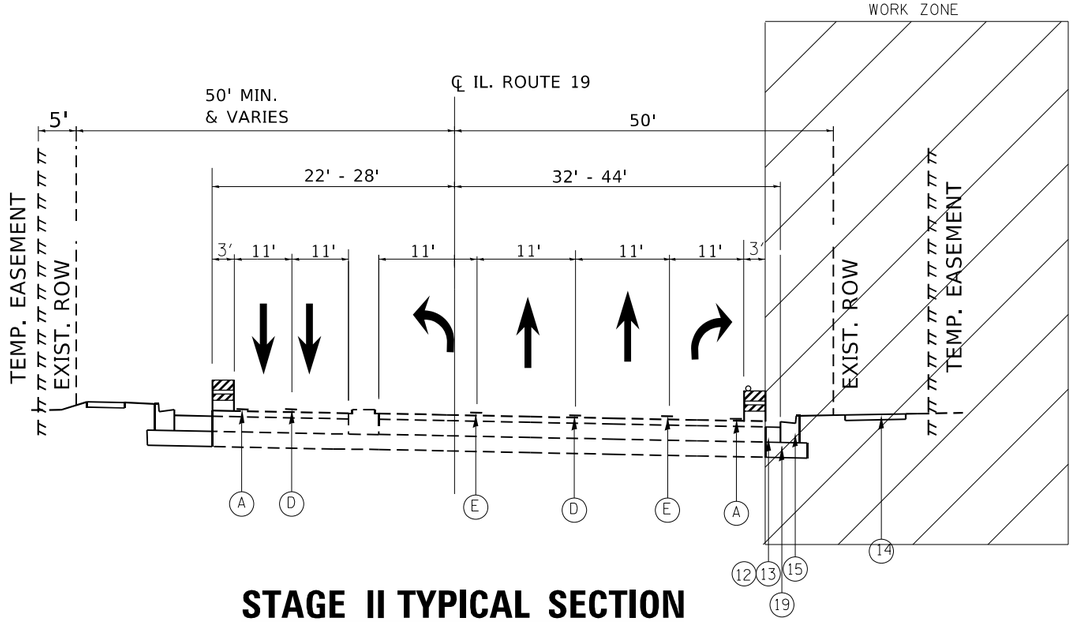
SCALE: 1"= 50' | SHEET NO. OF SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	20
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			



STAGE I TYPICAL SECTION

IRVING PARK ROAD (IL RTE 19)



STAGE II TYPICAL SECTION

IRVING PARK ROAD (IL RTE 19)

LEGEND

1. EXISTING P.C.C PAVEMENT, 10"
2. EXISTING HOT-MIX ASPHALT SURFACE COURSE, 3"
3. EXISTING HOT-MIX ASPHALT PAVEMENT AFTER MILLING, (SEE NOTE #2)
4. EXISTING COMB. CONC. CURB AND GUTTER
5. EXISTING CONCRETE MEDIAN
6. EXISTING SIDEWALK
7. EXISTING MEDIAN
8. EXISTING AGGREGATE SUBGRADE
9. PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 3"
10. PROP. POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"
11. PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, SMA,9.5, MIX "F", N80, 2"
12. PROP. HOT-MIX ASPHALT BASE COURSE , 9 1/2"- (PROP. WIDENING > 6 FT.)
13. PROP. P.C.C BASE COURSE WIDENING, 9 1/2" - (PROP. WIDENING < 6 FT.)
14. PROP. P.C.C SIDEWALK
15. PROP. COMB. CONC. CURB & GUTTER, TYPE B-6.12

15A. PROP. CONCRETE MEDIAN, TYPE SB (SPECIAL) - [MEDIAN 6' AND LESS]

16. PROP. COMB. CONC. CURB & GUTTER, TYPE B-6.24
17. PROP. CONCRETE MEDIAN SURFACE, 6"
18. PROP. CONCRETE MEDIAN, TYPE SB-6.12
19. PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
20. PROP. SUBBASE GRANULAR MATERIAL, TYPE A, 4"

** 21. PROP. PIPE UNDERDRAINS, 4"

LEGEND

- (A) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (WHITE)
- (B) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (YELLOW)
- (C) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (DOUBLE YELLOW)
- (D) PAVEMENT MARKING. TAPE , TYPE IV, 4'', SKIP DASH 10' LINE, 30' SPACE (WHITE)
- (E) PAVEMENT MARKING. TAPE , TYPE IV, 6'' (WHITE)
- (F) PAVEMENT MARKING. TAPE , TYPE IV, 12'' (YELLOW)
- (G) PAVEMENT MARKING. TAPE , TYPE IV, 24'' (WHITE)
- (H) PAVEMENT MARKING. TAPE , TYPE IV- LETTERS AND SYMBOLS

USER NAME = Addis.Abebaw	DESIGNED -	REVISED - REV. 1/10/23 A.A
	DRAWN -	REVISED -
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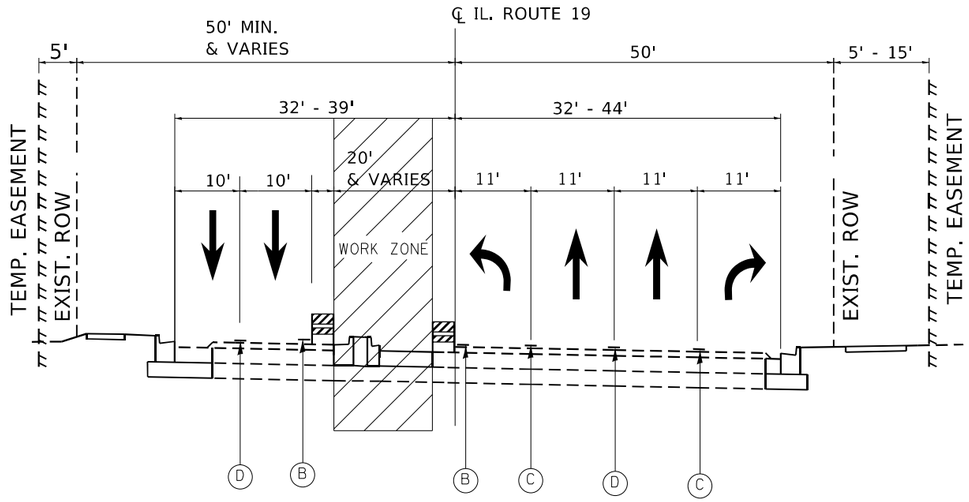
PLOT DATE = 1/11/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGING & TRAFFIC CONTROL TYPICAL SECTION
IL. ROUTE 19 (IRVING PARK ROAD)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	21
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			



STAGE III TYPICAL SECTION

IRVING PARK ROAD (IL RTE 19)

LEGEND

1. EXISTING P.C.C PAVEMENT, 10"
2. EXISTING HOT-MIX ASPHALT SURFACE COURSE, 3"
3. EXISTING HOT-MIX ASPHALT PAVEMENT AFTER MILLING, (SEE NOTE #2)
4. EXISTING COMB. CONC. CURB AND GUTTER
5. EXISTING CONCRETE MEDIAN
6. EXISTING SIDEWALK
7. EXISTING MEDIAN
8. EXISTING AGGREGATE SUBGRADE
9. PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 3"
10. PROP. POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"
11. PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, SMA,9.5, MIX "F", N80, 2"
12. PROP. HOT-MIX ASPHALT BASE COURSE, 9 1/2"- (PROP. WIDENING > 6 FT.)
13. PROP. P.C.C BASE COURSE WIDENING, 9 1/2" - (PROP. WIDENING < 6 FT.)
14. PROP. P.C.C SIDEWALK
15. PROP. COMB. CONC. CURB & GUTTER, TYPE B-6.12

15A. PROP. CONCRETE MEDIAN, TYPE SB (SPECIAL) - [MEDIAN 6' AND LESS]

16. PROP. COMB. CONC. CURB & GUTTER, TYPE B-6.24
17. PROP. CONCRETE MEDIAN SURFACE, 6"
18. PROP. CONCRETE MEDIAN, TYPE SB-6.12
19. PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
20. PROP. SUBBASE GRANULAR MATERIAL, TYPE A, 4"

** 21. PROP. PIPE UNDERDRAINS, 4"

LEGEND

(A) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (WHITE)

(B) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (YELLOW)

(C) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (DOUBLE YELLOW)

(D) PAVEMENT MARKING. TAPE , TYPE IV, 4'', SKIP DASH 10' LINE, 30' SPACE (WHITE)

(E) PAVEMENT MARKING. TAPE , TYPE IV, 6'' (WHITE)

(F) PAVEMENT MARKING. TAPE , TYPE IV, 12'' (YELLOW)

(G) PAVEMENT MARKING. TAPE , TYPE IV, 24'' (WHITE)

(H) PAVEMENT MARKING. TAPE , TYPE IV- LETTERS AND SYMBOLS

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USER NAME = Addis.Abebaw	DESIGNED -	REVISED - REV. 1/10/23 A.A	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 1/11/2023	DATE -	REVISED -	

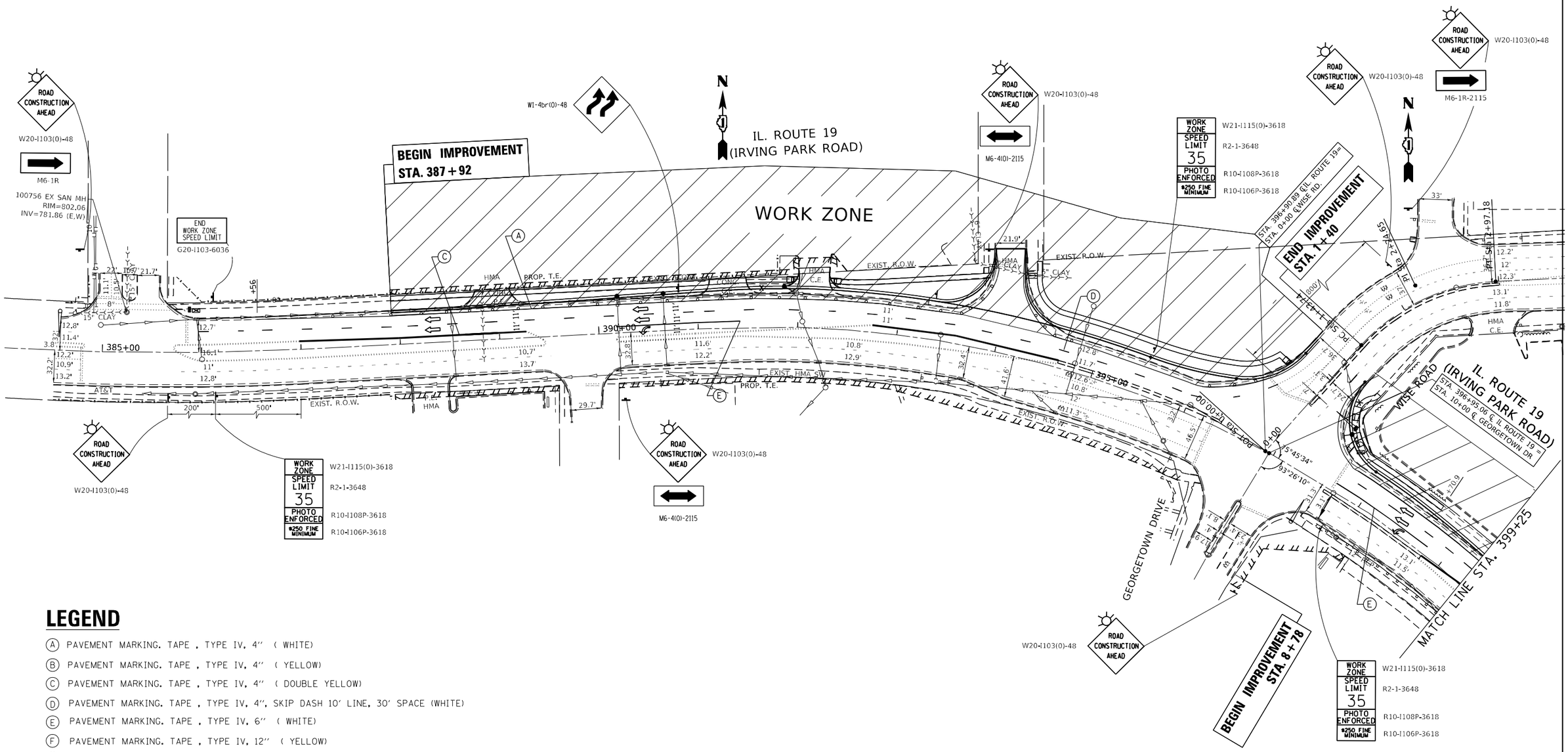
SUGGESTED STAGING & TRAFFIC CONTROL TYPICAL SECTION
IL. ROUTE 19 (IRVING PARK ROAD)

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2019-055-TS		112	22
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		

LEGEND

- TYPE III BARRICADES WITH FLASHING LIGHTS
- VERTICAL PANEL
- TYPE II BARRICADES OR DRUMS
  - @ 50' C-C ON TANGENT
  - @ 25' C-C ON TAPERS (TYP.)
  - @ 15' C-C ON RADII (TYP.)
- SIGN



LEGEND

- (A) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (WHITE)
- (B) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (YELLOW)
- (C) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (DOUBLE YELLOW)
- (D) PAVEMENT MARKING. TAPE , TYPE IV, 4'', SKIP DASH 10' LINE, 30' SPACE (WHITE)
- (E) PAVEMENT MARKING. TAPE , TYPE IV, 6'' (WHITE)
- (F) PAVEMENT MARKING. TAPE , TYPE IV, 12'' (YELLOW)
- (G) PAVEMENT MARKING. TAPE , TYPE IV, 24'' (WHITE)
- (H) PAVEMENT MARKING. TAPE , TYPE IV- LETTERS AND SYMBOLS

FILE NAME = P125413-sht-staging.dgn	USER NAME = Addis.Abebaw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

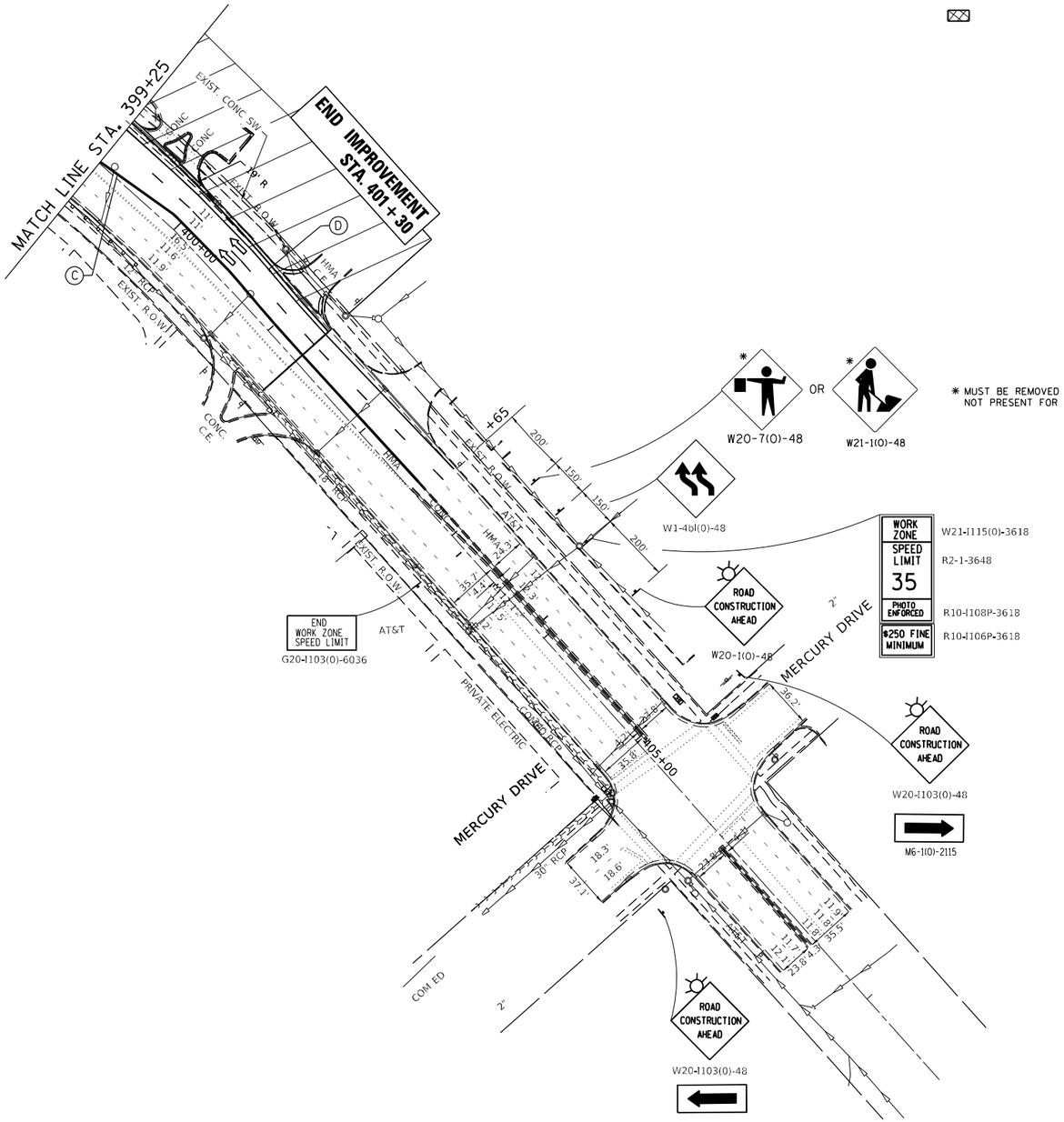
IL. ROUTE 19 (IRVING PARK RD.) AT WISE RD.
SUGGESTED STAGING & TRAFFIC CONTROL STAGE I

SCALE: 1''= 50' | SHEET NO. OF SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	23
		CONTRACT NO. 62J30		
		ILLINOIS FED. AID PROJECT		

LEGEND

- TYPE III BARRICADES WITH FLASHING LIGHTS
- VERTICAL PANEL
- TYPE II BARRICADES OR DRUMS
  - @ 50' C-C ON TANGENT
  - @ 25' C-C ON TAPERS (TYP.)
  - @ 15' C-C ON RADII (TYP.)
- SIGN



LEGEND

- (A) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (WHITE)
- (B) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (YELLOW)
- (C) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (DOUBLE YELLOW)
- (D) PAVEMENT MARKING. TAPE , TYPE IV, 4'', SKIP DASH 10' LINE, 30' SPACE (WHITE)
- (E) PAVEMENT MARKING. TAPE , TYPE IV, 6'' (WHITE)
- (F) PAVEMENT MARKING. TAPE , TYPE IV, 12'' (YELLOW)
- (G) PAVEMENT MARKING. TAPE , TYPE IV, 24'' (WHITE)
- (H) PAVEMENT MARKING. TAPE , TYPE IV- LETTERS AND SYMBOLS

FILE NAME = P125413-sht-staging.dgn	USER NAME = Addis.Abebaw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

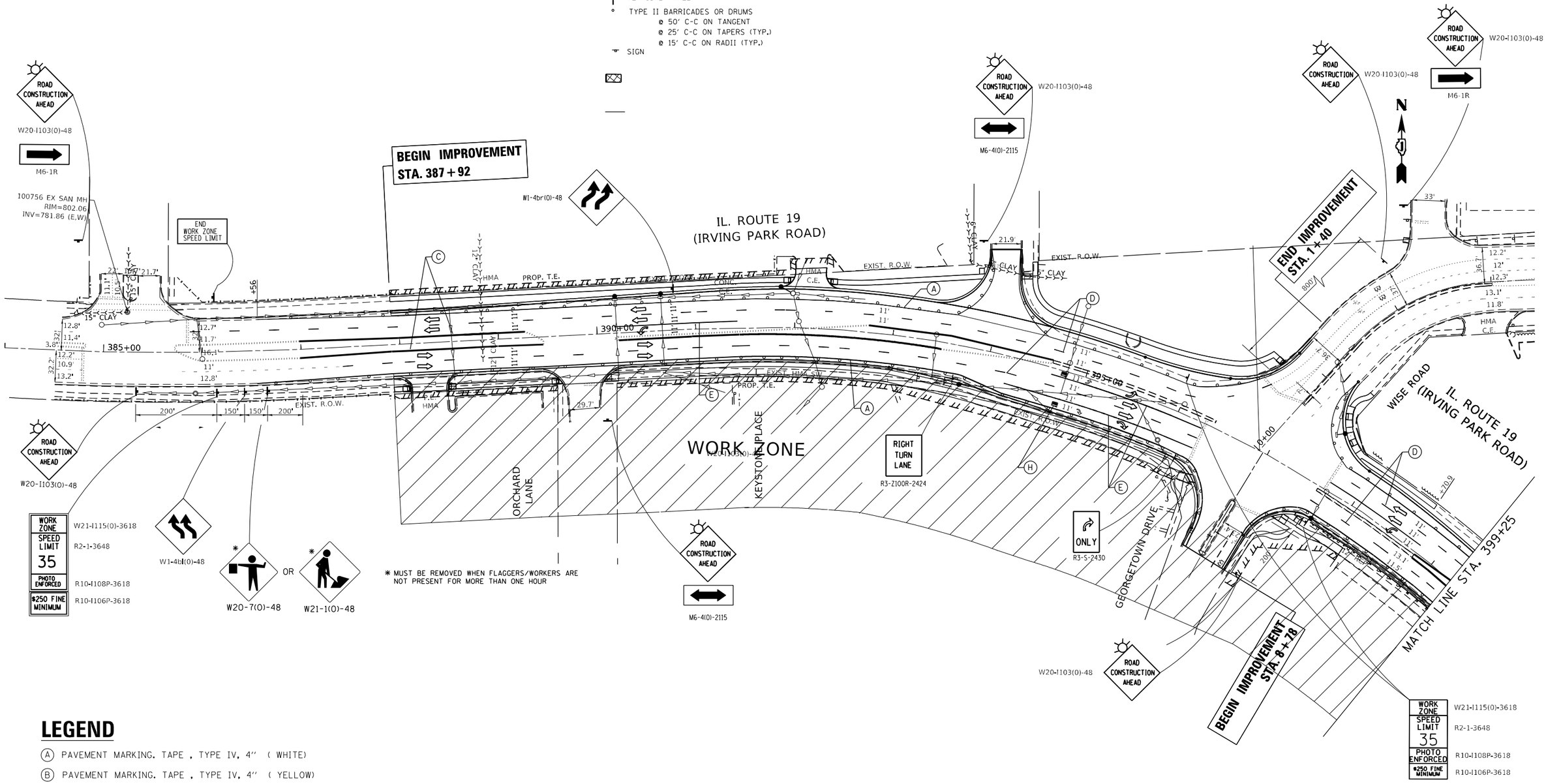
IL. ROUTE 19 (IRVING PARK RD.) AT WISE RD.
SUGGESTED STAGING & TRAFFIC CONTROL STAGE I

SCALE: 1"= 50' | SHEET NO. OF SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	24
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

LEGEND

- TYPE III BARRICADES WITH FLASHING LIGHTS
- VERTICAL PANEL
- TYPE II BARRICADES OR DRUMS
  - @ 50' C-C ON TANGENT
  - @ 25' C-C ON TAPERS (TYP.)
  - @ 15' C-C ON RADII (TYP.)
- SIGN



LEGEND

- (A) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (WHITE)
- (B) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (YELLOW)
- (C) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (DOUBLE YELLOW)
- (D) PAVEMENT MARKING. TAPE , TYPE IV, 4'', SKIP DASH 10' LINE, 30' SPACE (WHITE)
- (E) PAVEMENT MARKING. TAPE , TYPE IV, 6'' (WHITE)
- (F) PAVEMENT MARKING. TAPE , TYPE IV, 12'' (YELLOW)
- (G) PAVEMENT MARKING. TAPE , TYPE IV, 24'' (WHITE)
- (H) PAVEMENT MARKING. TAPE , TYPE IV- LETTERS AND SYMBOLS

FILE NAME = P125413-sht-staging.dgn	USER NAME = Addis.Abebaw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

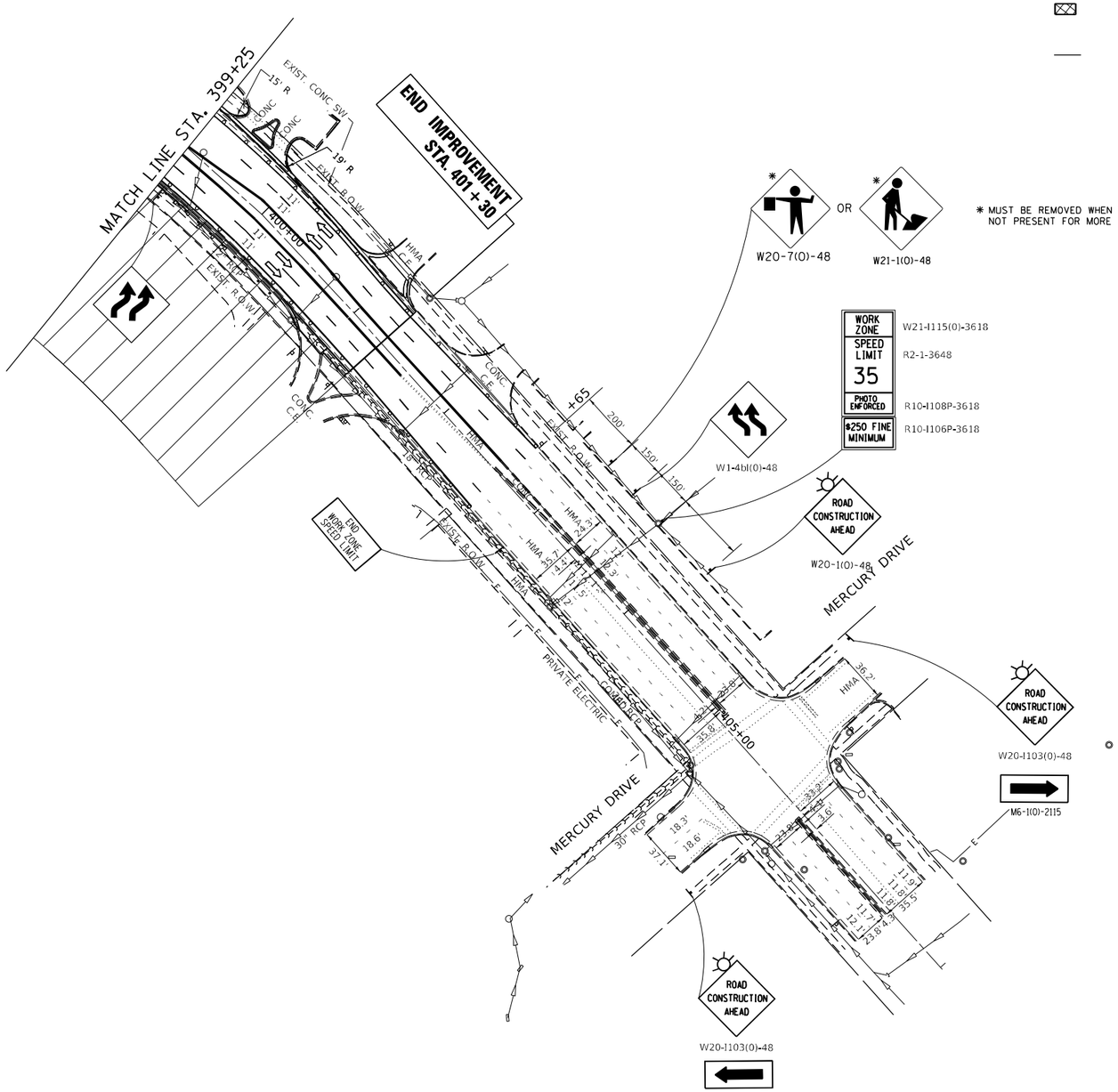
IL. ROUTE 19 (IRVING PARK RD.) AT WISE RD.
SUGGESTED STAGING & TRAFFIC CONTROL STAGE II

SCALE: 1"= 50' | SHEET NO. OF SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	25
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

LEGEND

- TYPE III BARRICADES WITH FLASHING LIGHTS
- VERTICAL PANEL
- TYPE II BARRICADES OR DRUMS
  - @ 50' C-C ON TANGENT
  - @ 25' C-C ON TAPERS (TYP.)
  - @ 15' C-C ON RADII (TYP.)
- SIGN



LEGEND

- (A) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (WHITE)
- (B) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (YELLOW)
- (C) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (DOUBLE YELLOW)
- (D) PAVEMENT MARKING. TAPE , TYPE IV, 4''. SKIP DASH 10' LINE, 30' SPACE (WHITE)
- (E) PAVEMENT MARKING. TAPE , TYPE IV, 6'' (WHITE)
- (F) PAVEMENT MARKING. TAPE , TYPE IV, 12'' (YELLOW)
- (G) PAVEMENT MARKING. TAPE , TYPE IV, 24'' (WHITE)
- (H) PAVEMENT MARKING. TAPE , TYPE IV- LETTERS AND SYMBOLS

FILE NAME = P125413-sht-staging.dgn	USER NAME = Addis.Abebaw	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

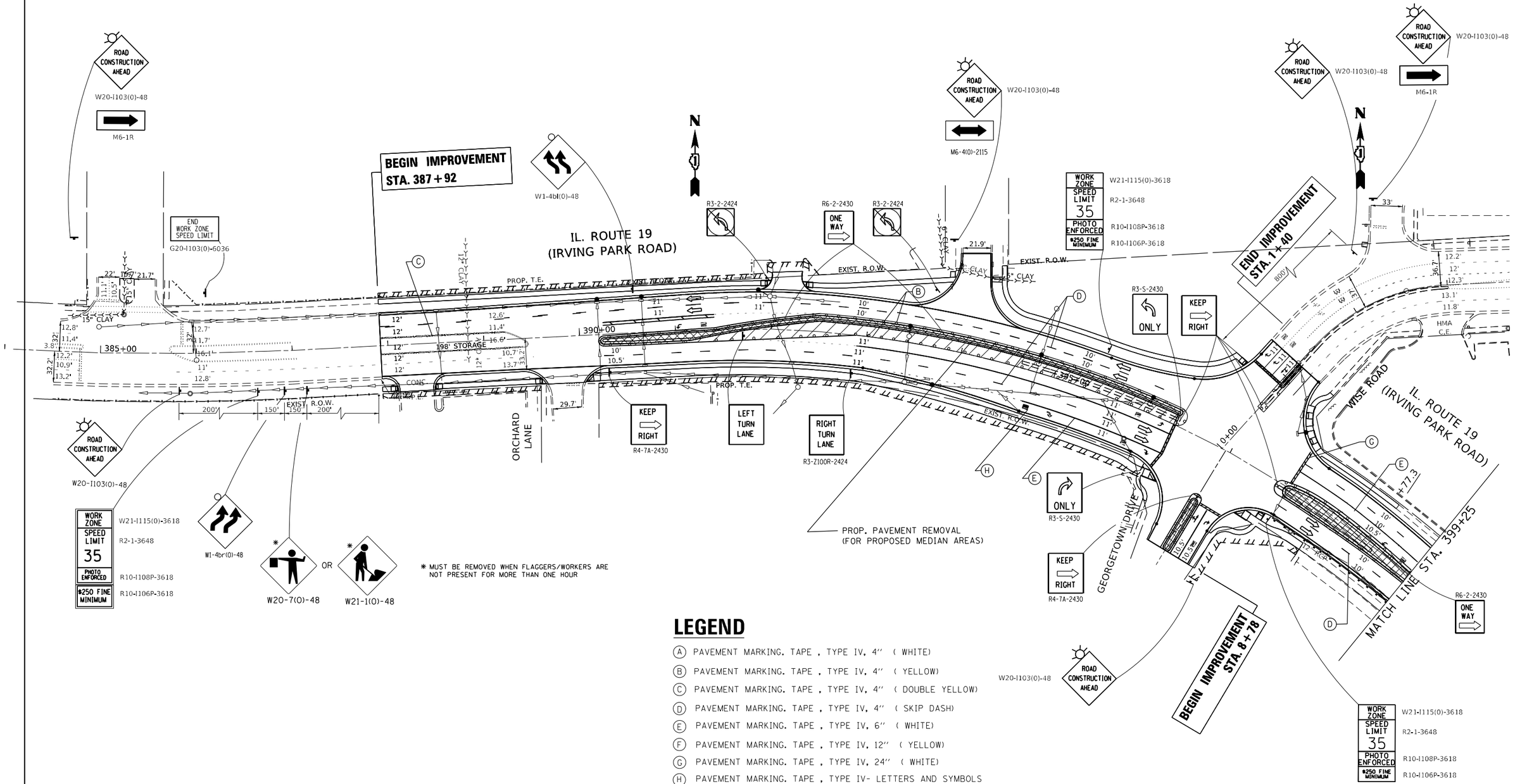
IL. ROUTE 19 (IRVING PARK RD.) AT WISE RD.
SUGGESTED STAGING & TRAFFIC CONTROL STAGE II

SCALE: 1"= 50' | SHEET NO. OF SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	26
		CONTRACT NO. 62J30		
		ILLINOIS FED. AID PROJECT		

LEGEND

- TYPE III BARRICADES WITH FLASHING LIGHTS
- VERTICAL PANEL
- TYPE II BARRICADES OR DRUMS
  - @ 50' C-C ON TANGENT
  - @ 25' C-C ON TAPERS (TYP.)
  - @ 15' C-C ON RADII (TYP.)
- SIGN
- PROP. PAVEMENT REMOVAL (AREAS OF PROP. MEDIANS)



LEGEND

- (A) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (WHITE)
- (B) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (YELLOW)
- (C) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (DOUBLE YELLOW)
- (D) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (SKIP DASH)
- (E) PAVEMENT MARKING. TAPE , TYPE IV, 6'' (WHITE)
- (F) PAVEMENT MARKING. TAPE , TYPE IV, 12'' (YELLOW)
- (G) PAVEMENT MARKING. TAPE , TYPE IV, 24'' (WHITE)
- (H) PAVEMENT MARKING. TAPE , TYPE IV- LETTERS AND SYMBOLS

FILE NAME = P125413-sht-staging.dgn	USER NAME = Addis.Abebaw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 19 (IRVING PARK RD.) AT WISE RD.
SUGGESTED STAGING & TRAFFIC CONTROL STAGE III

SCALE: 1"= 50' | SHEET NO. OF SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	27
		CONTRACT NO. 62J30		
		ILLINOIS FED. AID PROJECT		

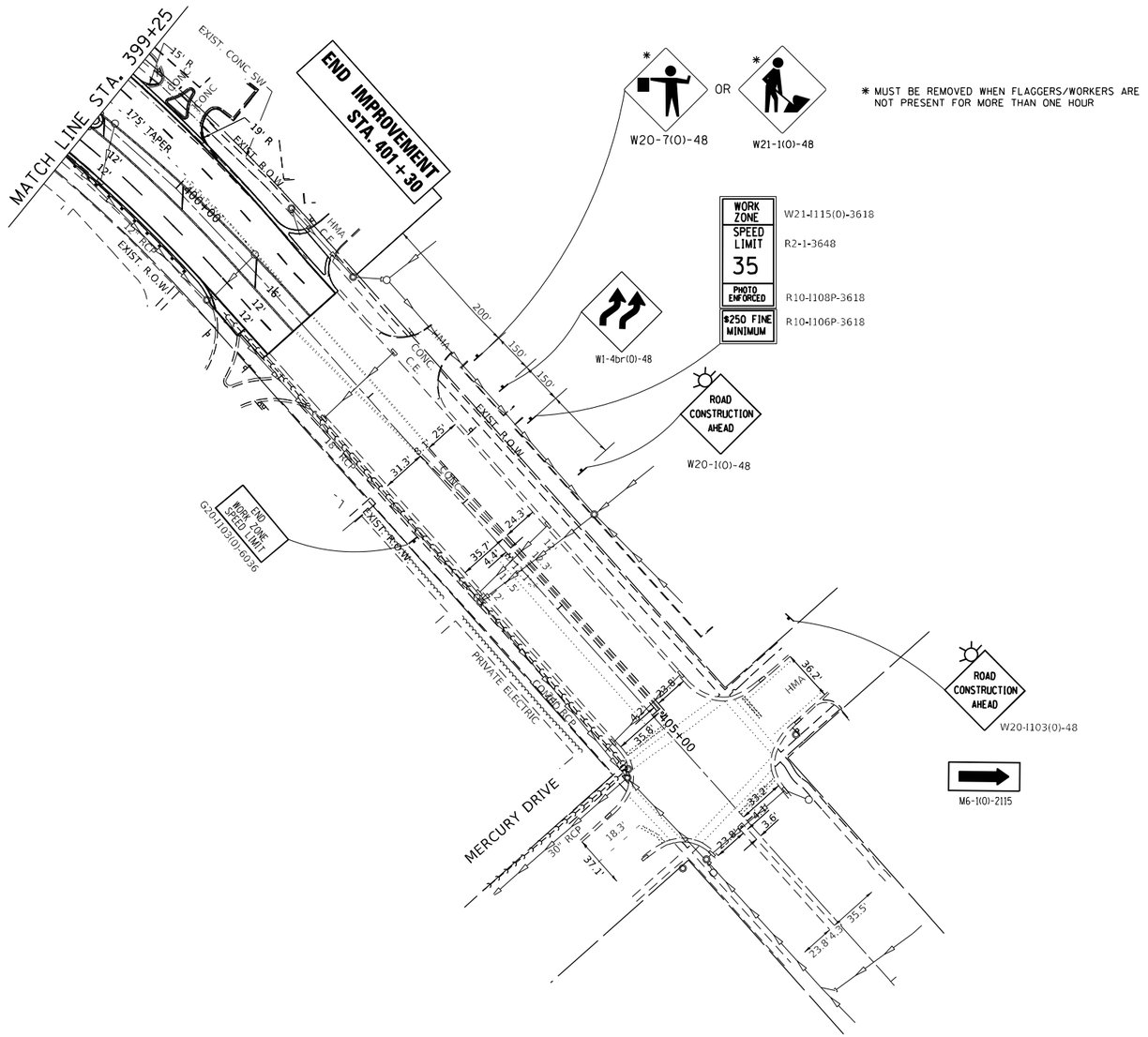
LEGEND

TYPE III BARRICADES WITH FLASHING LIGHTS

VERTICAL PANEL

TYPE II BARRICADES OR DRUMS
- @ 50' C-C ON TANGENT
- @ 25' C-C ON TAPERS (TYP.)
- @ 15' C-C ON RADII (TYP.)

SIGN



LEGEND

(A) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (WHITE)

(B) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (YELLOW)

(C) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (DOUBLE YELLOW)

(D) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (SKIP DASH)

(E) PAVEMENT MARKING. TAPE , TYPE IV, 6'' (WHITE)

(F) PAVEMENT MARKING. TAPE , TYPE IV, 12'' (YELLOW)

(G) PAVEMENT MARKING. TAPE , TYPE IV, 24'' (WHITE)

(H) PAVEMENT MARKING. TAPE , TYPE IV- LETTERS AND SYMBOLS

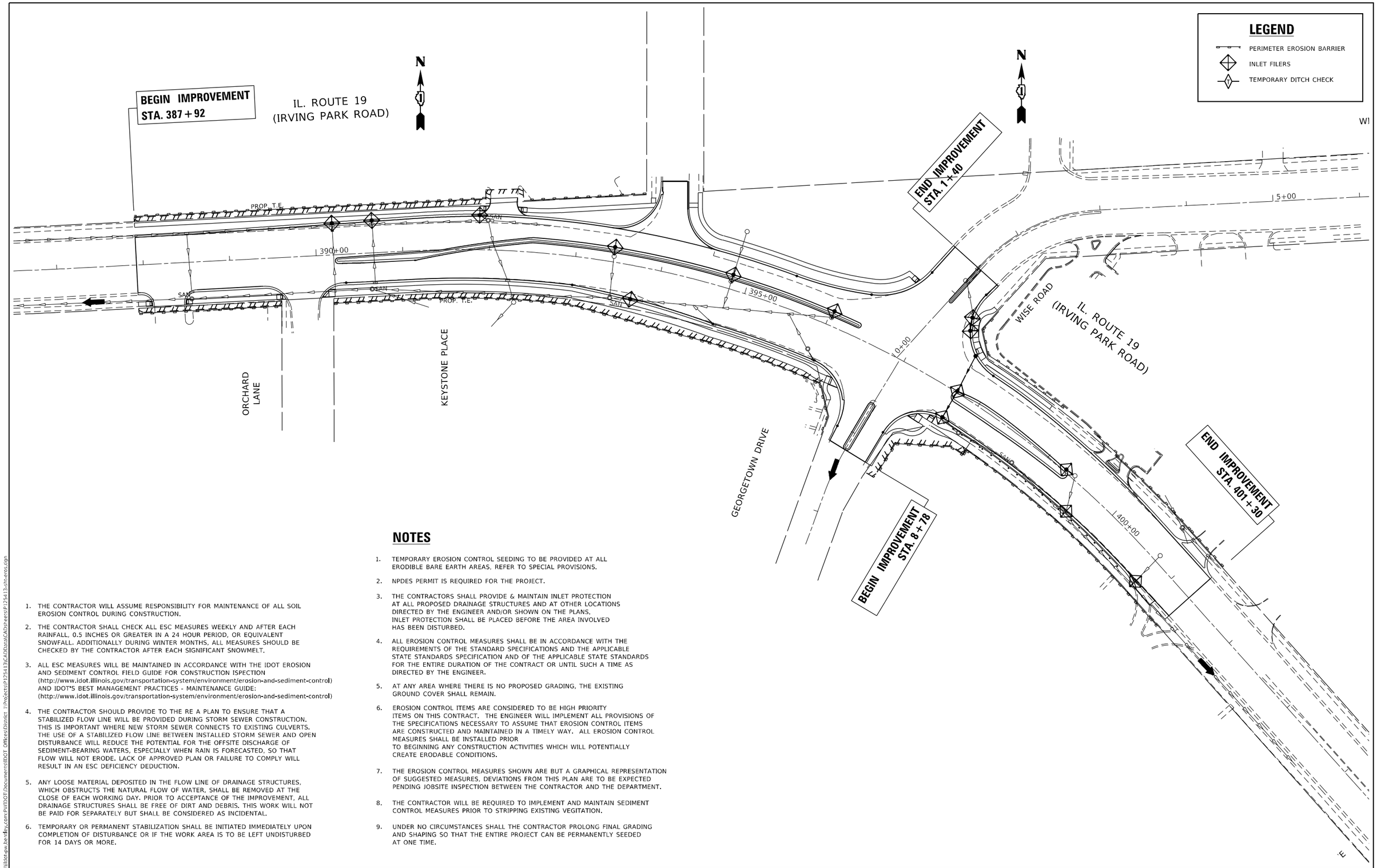
FILE NAME = P125413-sht-staging.dgn	USER NAME = Addis.Abebaw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 19 (IRVING PARK RD.) AT WISE RD.
SUGGESTED STAGING & TRAFFIC CONTROL STAGE III

SCALE: 1"= 50' | SHEET NO. OF SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	28
		CONTRACT NO. 62J30		
		ILLINOIS FED. AID PROJECT		



NOTES

1. TEMPORARY EROSION CONTROL SEEDING TO BE PROVIDED AT ALL ERODIBLE BARE EARTH AREAS. REFER TO SPECIAL PROVISIONS.
2. NPDES PERMIT IS REQUIRED FOR THE PROJECT.
3. THE CONTRACTORS SHALL PROVIDE & MAINTAIN INLET PROTECTION AT ALL PROPOSED DRAINAGE STRUCTURES AND AT OTHER LOCATIONS DIRECTED BY THE ENGINEER AND/OR SHOWN ON THE PLANS. INLET PROTECTION SHALL BE PLACED BEFORE THE AREA INVOLVED HAS BEEN DISTURBED.
4. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE STATE STANDARDS SPECIFICATION AND OF THE APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.
5. AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.
6. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATIONS NECESSARY TO ASSUME THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
7. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES, DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
8. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGITATION.
9. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.

1. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
2. THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
3. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION ISPECTION (http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control) AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control)
4. THE CONTRACTOR SHOULD PROVIDE TO THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THIS IS IMPORTANT WHERE NEW STORM SEWER CONNECTS TO EXISTING CULVERTS. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
5. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
6. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.

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	DRAWN -	REVISED -	
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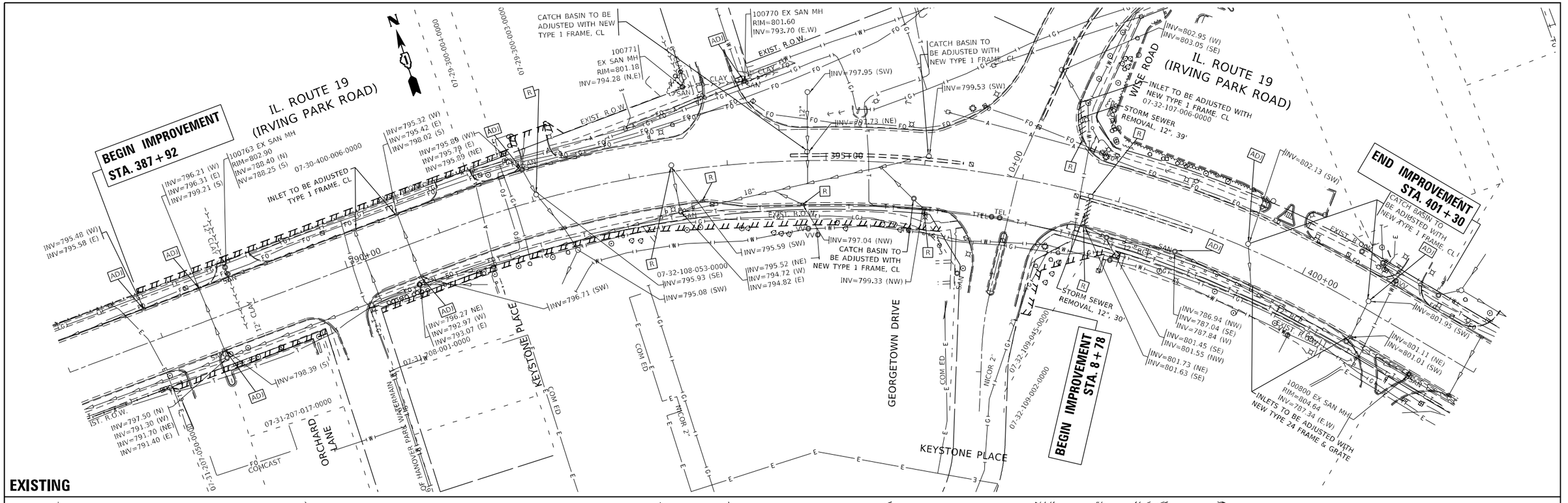
PLOT DATE = 12/13/2022	DATE -	REVISED -	

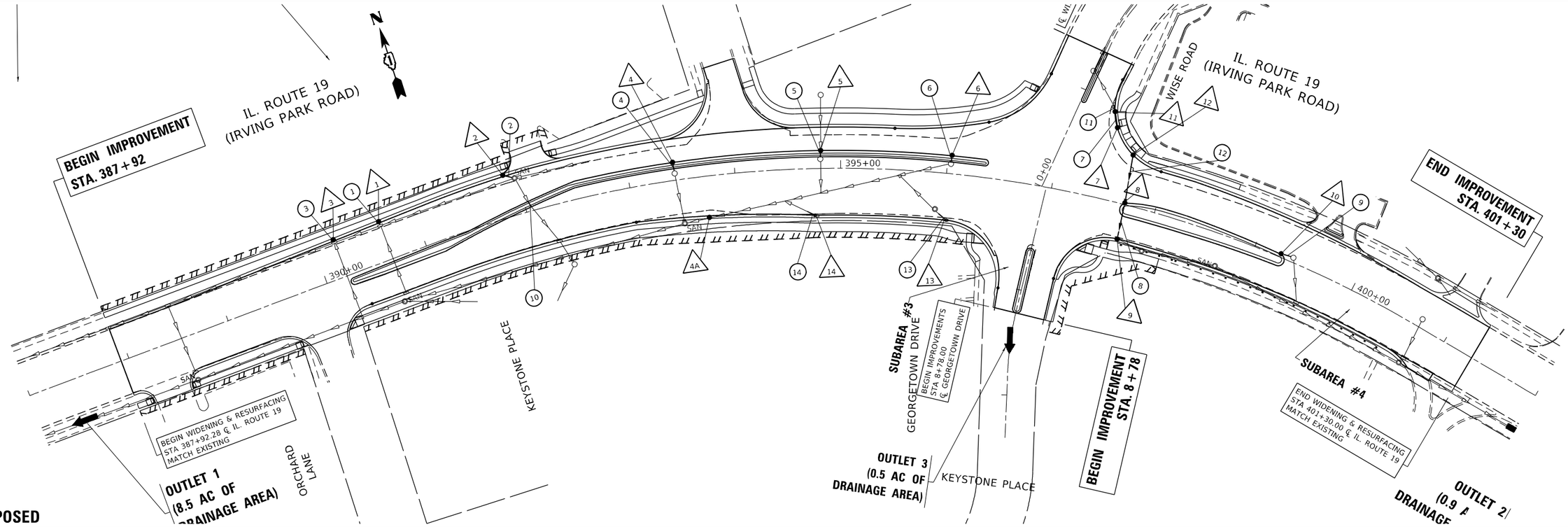
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION & SEDIMENT CONTROL
U.S. ROUTE 19 (IRVING PARK ROAD) AT WISE ROAD/GEORGETOWN DRIVE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	29
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	





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	DRAWN -	REVISED -	
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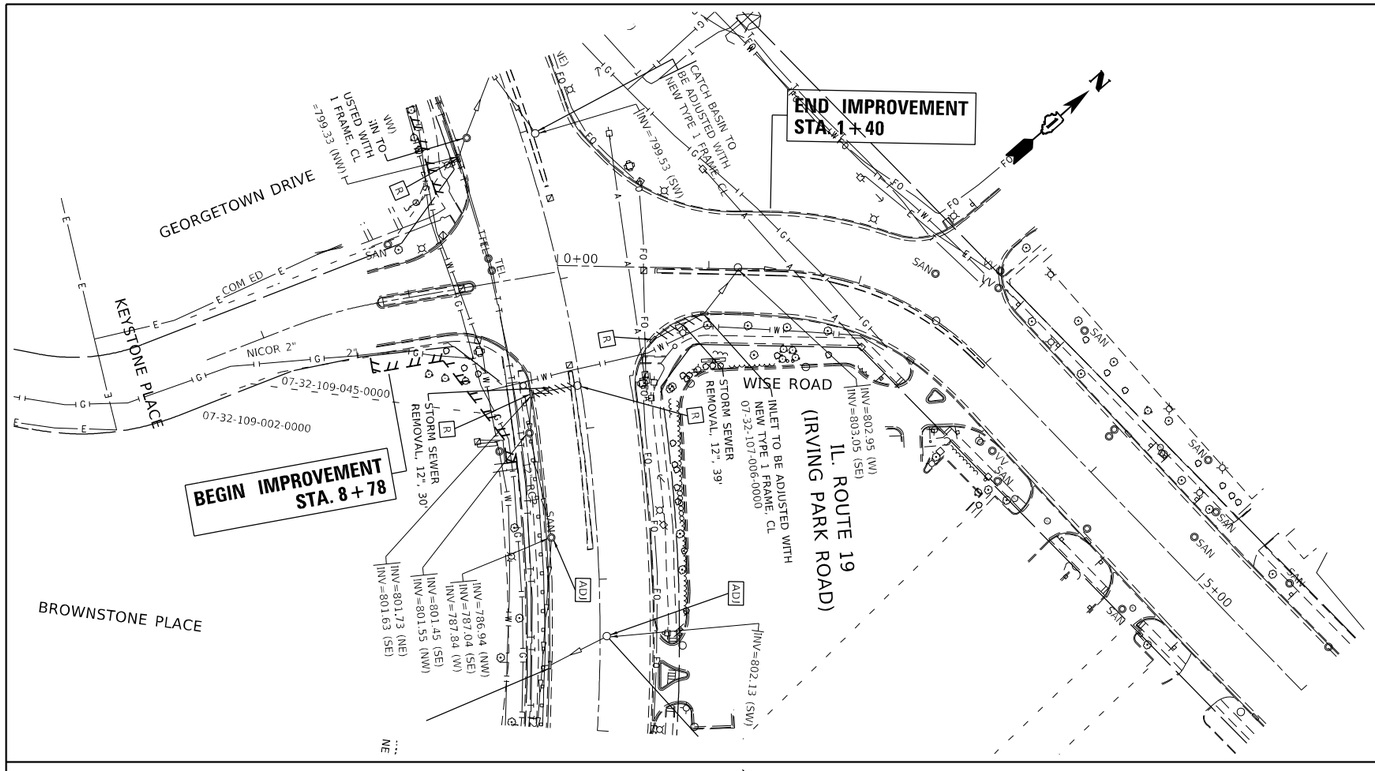
PLOT DATE = 1/11/2023	DATE -	REVISED -	

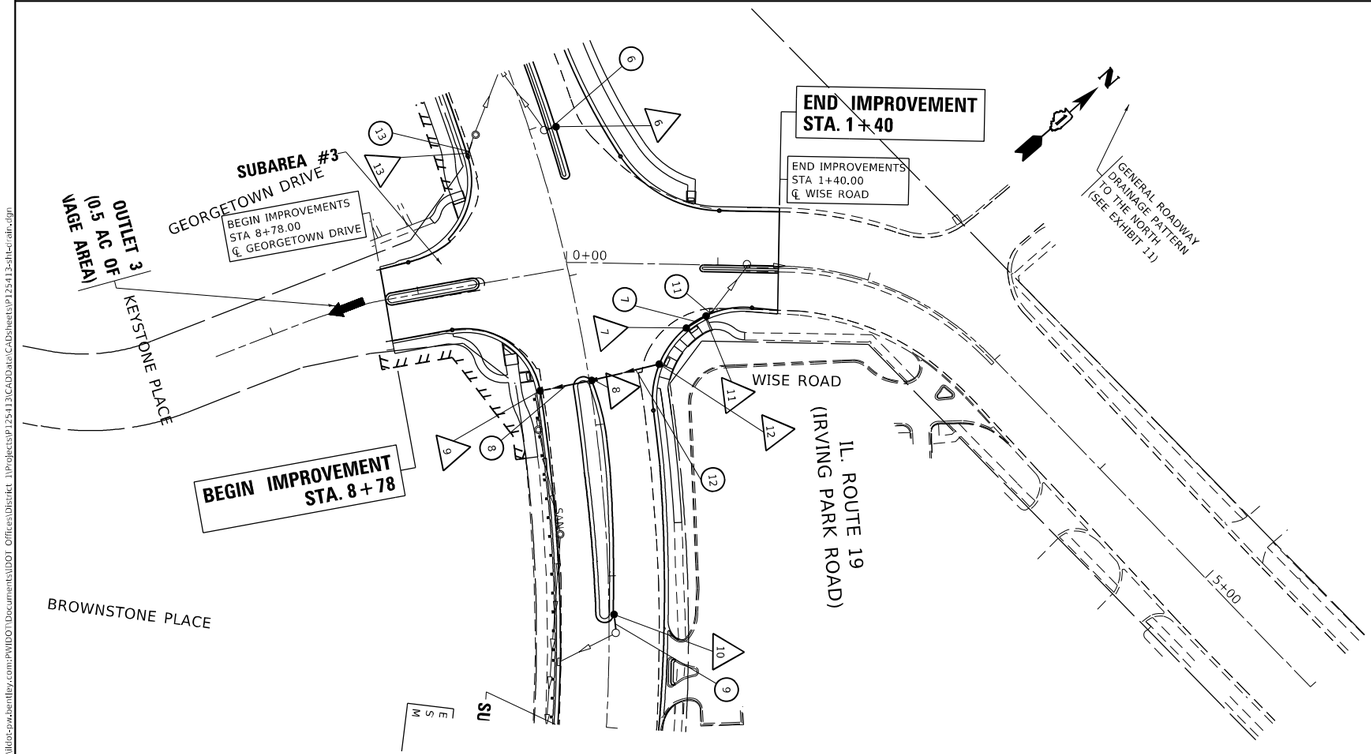
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED DRAINAGE PLAN
U.S. ROUTE 19 (IRVING PARK ROAD) AT WISE ROAD/GEORGETOWN DRIVE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	30
		CONTRACT NO. 62J30		
		ILLINOIS FED. AID PROJECT		





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	DRAWN -	REVISED -	
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PLOT DATE = 12/13/2022	DATE -	REVISED -	

EXISTING AND PROPOSED DRAINAGE PLAN
U.S. ROUTE 19 (IRVING PARK ROAD) AT WISE ROAD/GEORGETOWN DRIVE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	31
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

PLAN
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PLOTTED
AS BUILT CHECKED
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NOTE BOOK
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BY
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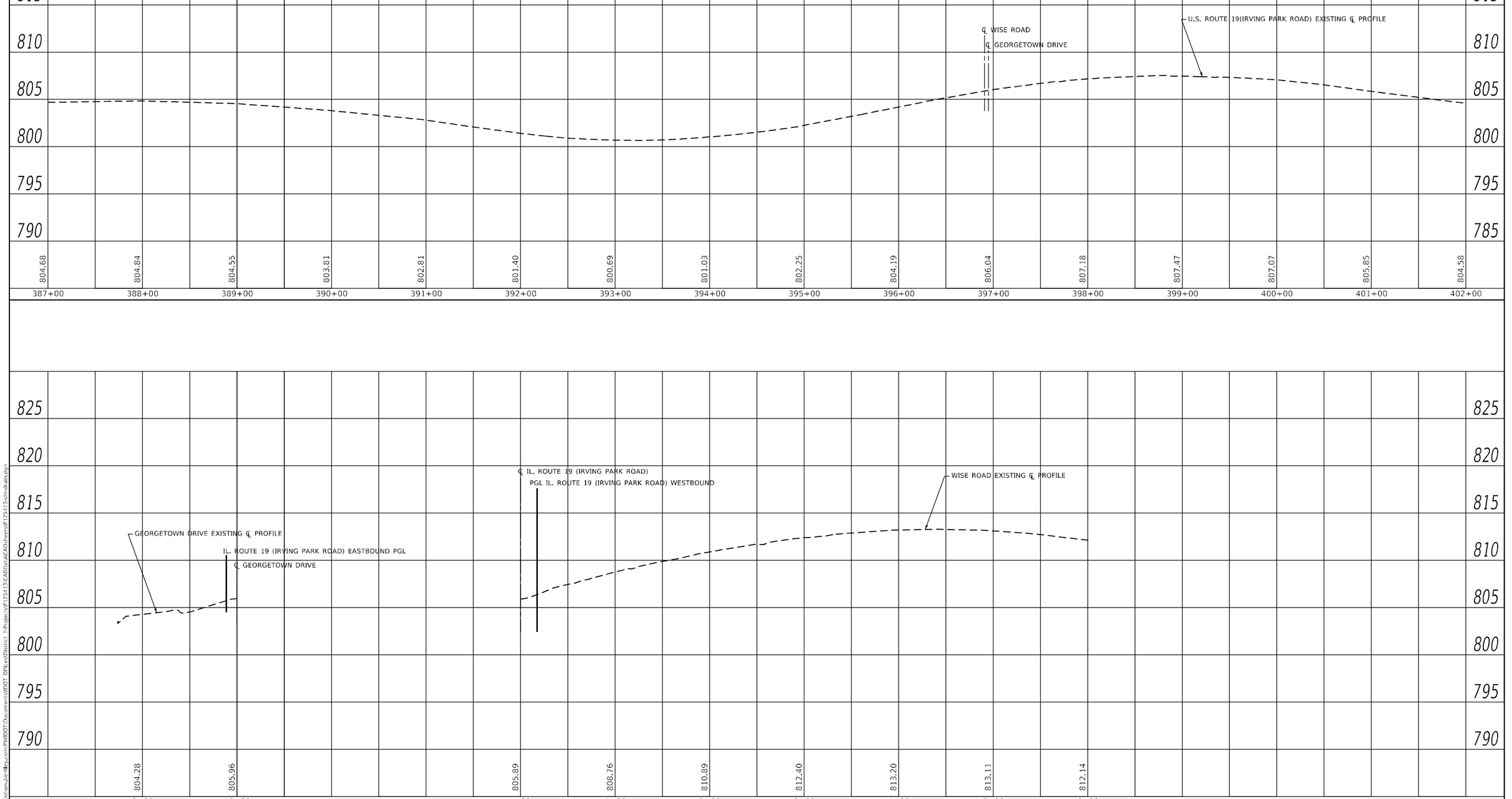

PROFILE
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED DRAINAGE PROFILE
U.S. ROUTE 19 (IRVING PARK ROAD) AT WISE ROAD/GEORGETOWN DRIVE

SCALE: 1"= 50H 5V | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	32
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	

STRUCTURES

△1
STA. 390+66 , LT. EOP
INLETS, TYPE A
W/ TYPE 24 FRAME & GRATE
T.O.G: 803.14
INV: 795.42 (S)

△2
STA. 391+91.4, LT. EOP
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: 802.20
INV: 795.79 (S)

△3
STA. 390+18.5 , LT. EOP
INLETS, TYPE A
W/ TYPE 24 FRAME & GRATE
T.O.G: 803.23
INV: 795.69 (S)

△4
STA. 393+43.8, 17 FT, LT.
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: 801.45
INV: 795.69 (S)

** △4A
STA. ±393+68, RT. EOP
CATCH BASIN, TYPE A, 4FT DIA.
W/ TYPE 24 FRAME & GRATE
T.O.G: 799.75
INV: MATCH EXIST. - [795.33] (E)
INV: MATCH EXIST. - [795.33] (W)

△5
STA. 393+81.5, 17 FT, LT.
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: 802.57
INV: 797.81 (S)
INV: MATCH EXIST. (N)

△6
STA. 396+03.4, 17 FT, LT.
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: ± 804.62
INV: 799.61 (S)

△7
STA. 0+80.6, RT. ,E.O.P [WISE RD.]
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: ± 807.28
INV: 803.77 (SW)

△8
STA. 397+71, ± 1 FT, LT.
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: 807.14
INV: 801.88 (S)
INV: 801.88 (N)

△9
STA. 397+69, RT. EOP
CATCH BASIN, TYPE A, 4FT DIA.
W/ TYPE 24 FRAME & GRATE
T.O.G: ± 805.81
INV: 801.73 (N)
INV: MATCH EXIST. [801.63] (E)

△10
STA. 399+25.5, ± 3 FT, LT.
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: 807.55
INV: 802.25 (E)

△11
STA. 0+93.5, LT., EOP [WISE RD.]
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: ± 807.67
INV: 803.60 (N & S)

△12
STA. 397+67, LT., EOP
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: ± 807.08
INV: 802.70 (S)

△13
STA. 396+03.8, RT., EOP
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: ± 802.73
INV: 799.33 (NW)

△14
STA. 393+77.2, RT., EOP
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: ± 800.24
INV: 797.04 (NW)

PIPE TABLE

	No.	PIPE TYPE	Dia. (inch)	TBF (cu yds)	Length (ft)
	1	PROPOSED STORM SEWER, CLASS A, TYPE II	12	3.4	3.5
	2	PROPOSED STORM SEWER, CLASS A, TYPE II	12	11.5	10.5
	3	PROPOSED STORM SEWER, CLASS A, TYPE II	12	2.2	2
	4	PROPOSED STORM SEWER, CLASS A, TYPE II	12	8.5	10.5
	5	PROPOSED STORM SEWER, CLASS A, TYPE II	12	5.3	8
	6	PROPOSED STORM SEWER, CLASS A, TYPE II	12	5.7	8
	7	PROPOSED STORM SEWER, CLASS A, TYPE I	12	5.4	17
	8	PROPOSED STORM SEWER, CLASS A, TYPE II	12	22	34
	9	PROPOSED STORM SEWER, CLASS A, TYPE II	12	8.9	12
*	10	PROPOSED STORM SEWER, CLASS A, TYPE II	12	4.8	5
	11	PROPOSED STORM SEWER, CLASS A, TYPE II	12	2.5	7
	12	PROPOSED STORM SEWER, CLASS A, TYPE II	12	29.7	46
	13	PROPOSED STORM SEWER, CLASS A, TYPE I	12	3	8
	14	PROPOSED STORM SEWER, CLASS A, TYPE I	12	3	8

* DRAINAGE STRUCTURE TO BE REMOVED AT STA. 392+05 WILL BE REPLACED WITH PIPE RUN #10 AND TIE INTO EXISTING PIPE PER BD-07.

** USE THE PROP. STORM SEWER, CLASS A, TYPE II, 18" PIPE PAY ITEM FOR THE DRAINAGE STRUCTURE (4A) CONNECTION.

FILE NAME = P125413-Design.dgn	USER NAME = Addis.Abebaw	DESIGNED	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED PIPE AND STRUCTURE TABLE IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN	REVISED -				1321	2019-055-TS	COOK	112	33
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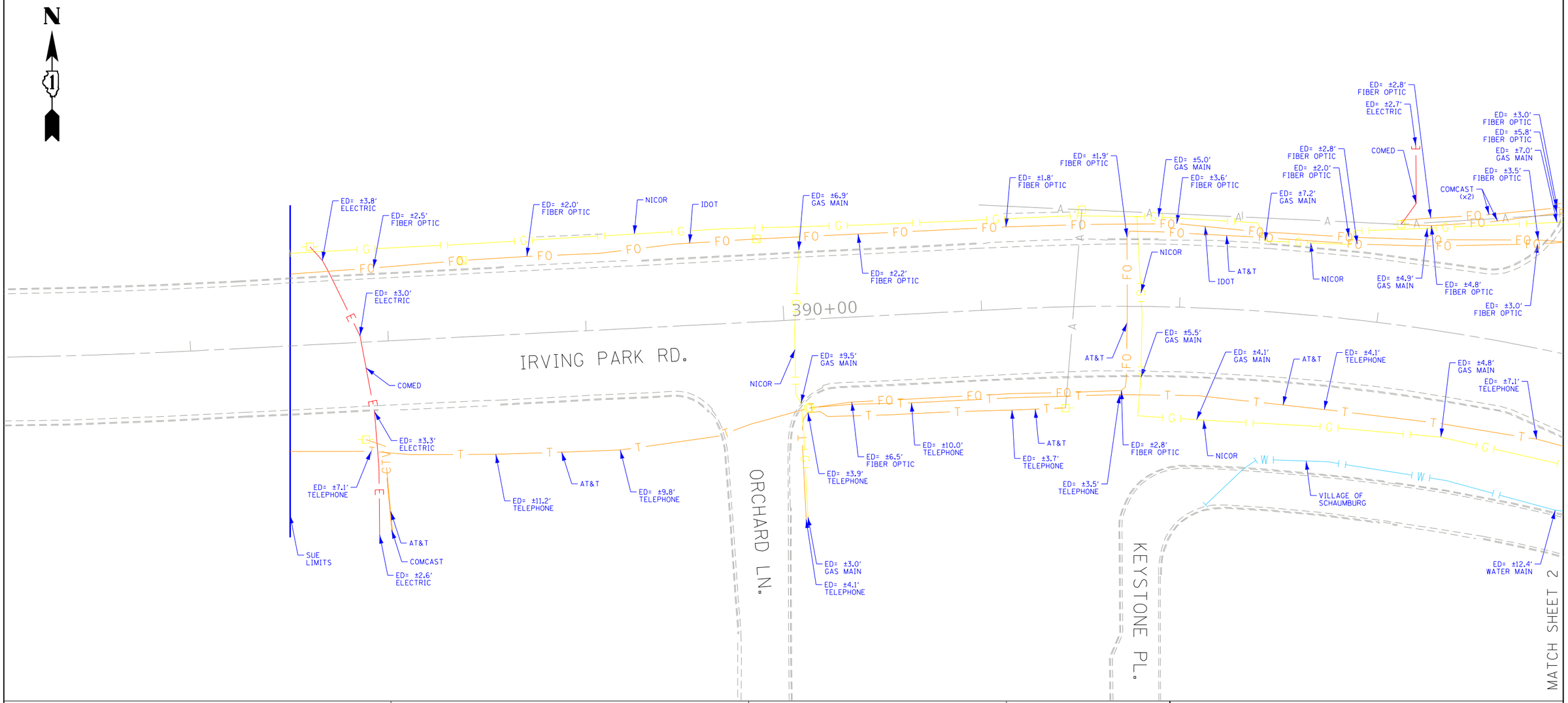


ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASURMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

QUALITY LEVEL B (QLB)
INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILTIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

QUALITY LEVEL C (QLC)
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTLITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (OLD)
INFORMATION DERIVED FROM EXISITNG RECORDS OR ORAL RECOLLECTIONS.

GENERAL NOTES:

WGI INC. HAS EXERCISED IT'S BEST PROFESSIONAL EXPERTISE AND GEOPHYSICAL PROSPECTING TECHNIQUES TO DEVELOP THIS MAPPING OF SUBSURFACE UTILITIES WITHIN THE PROJECT LIMITS.

WGI INC. DOES NOT GUARANTEE THAT UTILITIES SHOWN COMPRISE ALL UTILITIES WITHIN THE PROJECT AREA.

WGI's FIELD INVESTIGATION WAS PERFORMED 07/09/19 THROUGH 08/06/19. CHANGES TO UTILITIES AFTER 08/06/19 MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR "QUALITY LEVEL B" (QLB) STANDARDS.

ALL UTILITIES SHOWN ARE QUALITY LEVEL B (QLB) UNLESS NOTED OTHERWISE.

ALL ELECTRONIC DEPTHS PROVIDED ARE APPROXIMATE AND SHOULD BE USED FOR INFORMATIONAL PURPOSES ONLY.

UTILITY LEGEND:

- *AERIAL*
- *UNKNOWN UTILITY*
- *OIL*
- *CABLE TV*
- *TELEPHONE*
- *GAS*
- *ELECTRIC*
- *TRAFFIC SIGNAL/LIGHTING*
- *WATER*
- *FORCE MAIN*
- *FIBER OPTIC*
- *TEST HOLE*
- *END OF INFORMATION*
- *ELECTRONIC DEPTH*

JOHN J. BELLIS
062-044796
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

signature

09/24/2019
date

license expires 11/30/2021

SANCHEZ
Sanchez & Associates, P.C.
8604 W. Catalpa Avenue, Suite 912
Chicago, IL 60656
Phone No. (773) 444-0144

WGI
2001 Butterfield Road, Suite 410
Downers Grove, IL 60515
Phone No. (630) 307-3800
Fax No. (630) 307-7030
Cert No. 6091 - LB No. 7055

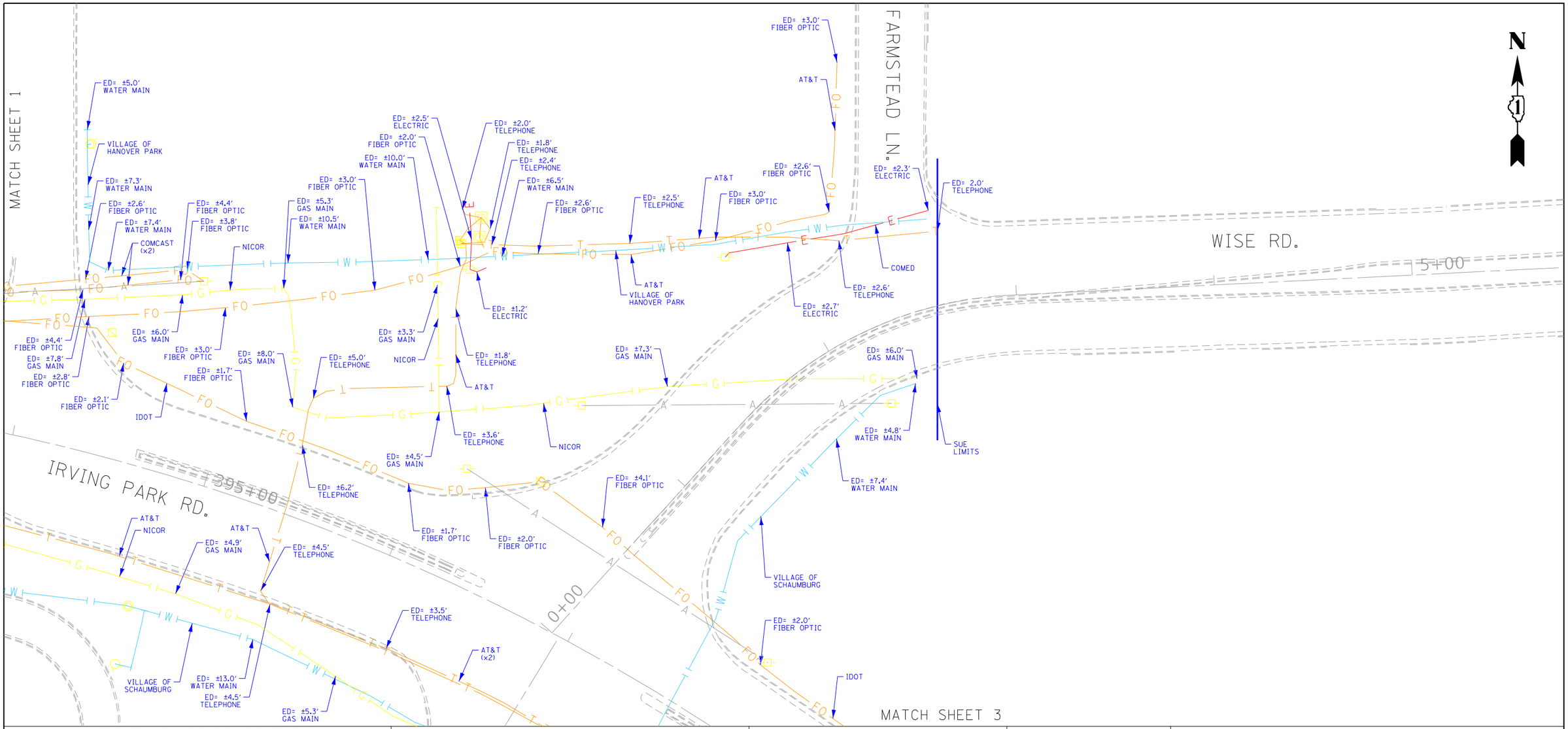
USER NAME = Erick.Maleza	DESIGNED -	REVISED -
	DRAWN - EM	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - EG	REVISED -
PLOT DATE = 9/24/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RT. 19 AND WISE RD.
SCHAUMBURG, ILLINOIS

SCALE: | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2019-055-TS	COOK	112	34
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		



MATCH SHEET 3

ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASURMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

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QUALITY LEVEL C (QLC)
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTLITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (QLD)
INFORMATION DERIVED FROM EXISITNG RECORDS OR ORAL RECOLLECTIONS.

GENERAL NOTES:

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FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR "QUALITY LEVEL B" (QLB) STANDARDS.

ALL UTILITIES SHOWN ARE QUALITY LEVEL B (QLB) UNLESS NOTED OTHERWISE.

ALL ELECTRONIC DEPTHS PROVIDED ARE APPROXIMATE AND SHOULD BE USED FOR INFORMATIONAL PURPOSES ONLY.

UTILITY LEGEND:

- *AERIAL*
- *UNKNOWN UTILITY*
- *OIL*
- *CABLE TV*
- *TELEPHONE*
- *GAS*
- *ELECTRIC*
- *TRAFFIC SIGNAL/LIGHTING*
- *WATER*
- *FORCE MAIN*
- *FIBER OPTIC*
- *TEST HOLE*
- *END OF INFORMATION*
- *ELECTRONIC DEPTH*

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USER NAME = Erick.Maleza	DESIGNED -	REVISED -
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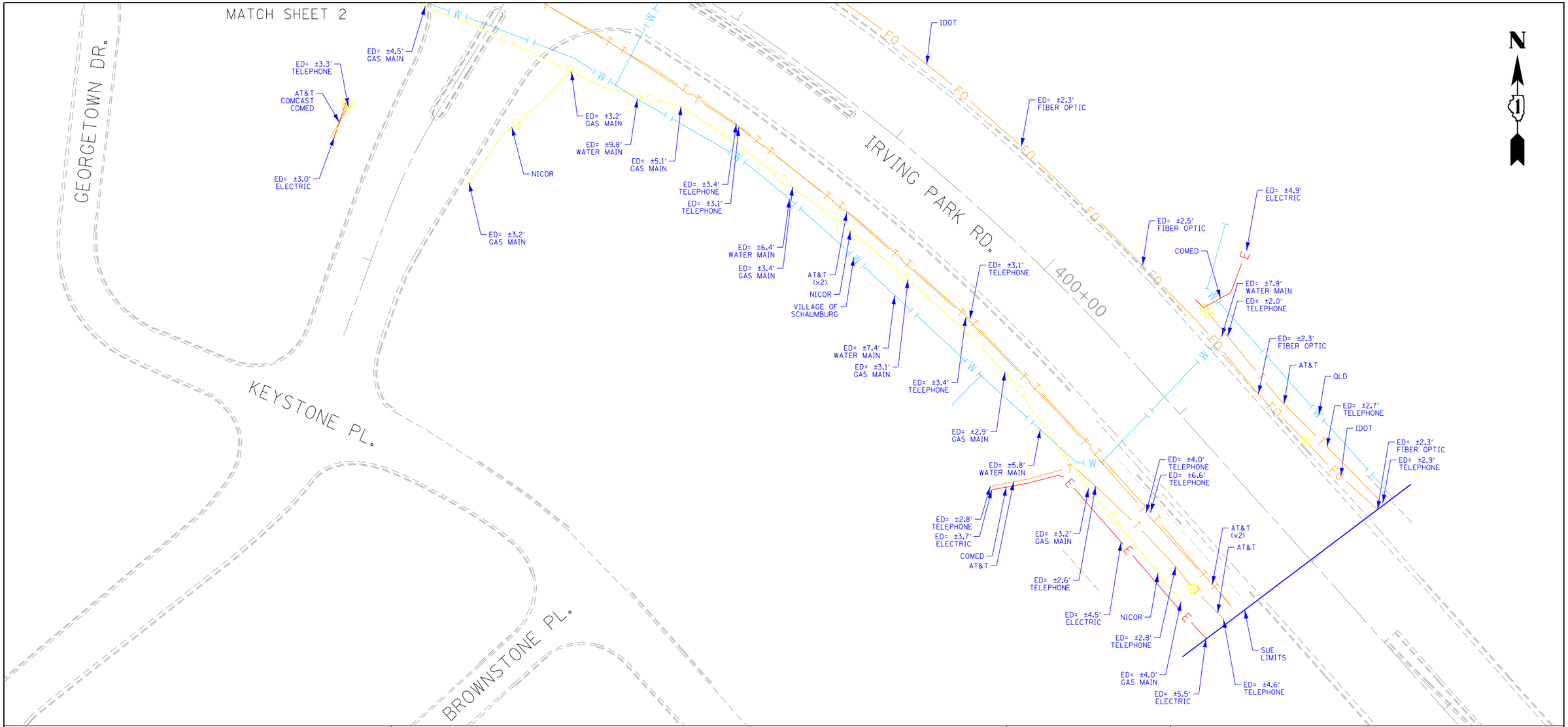
PLOT DATE = 9/24/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RT. 19 AND WISE RD.
SCHAUMBURG, ILLINOIS

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2019-055-TS	COOK	112	35
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			



ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASURMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

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QUALITY LEVEL C (QLC)
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTLITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (QLD)
INFORMATION DERIVED FROM EXISITNG RECORDS OR ORAL RECOLLECTIONS.

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FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR "QUALITY LEVEL B" (QLB) STANDARDS.

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UTILITY LEGEND:

- A — A — AERIAL
- UNKNOWN UTILITY
- O — O — OIL
- CTV — CTV — CABLE TV
- T — T — TELEPHONE
- G — G — GAS
- E — E — ELECTRIC
- TRAFFIC SIGNAL/LIGHTING
- W — W — WATER
- FORCE MAIN
- FO — FO — FIBER OPTIC
- EOI — TEST HOLE
- END OF INFORMATION
- ED — ELECTRONIC DEPTH

JOHN J. BELLIS
062-044796
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

John J Bellis
signature

09/24/2019
date

license expires 11/30/2021

SANCHEZ
Sanchez & Associates, P.C.
8604 W. Catalpa Avenue, Suite 912
Chicago, IL 60656
Phone No. (773) 444-0144

WGI
2001 Butterfield Road, Suite 410
Downers Grove, IL 60515
Phone No. (630) 307-3800
Fax No. (630) 307-7030
Cert No. 6091 - LB No. 7055

USER NAME = Erick.Maleza	DESIGNED -	REVISED -
	DRAWN - EM	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - EG	REVISED -
PLOT DATE = 9/24/2019	DATE -	REVISED -

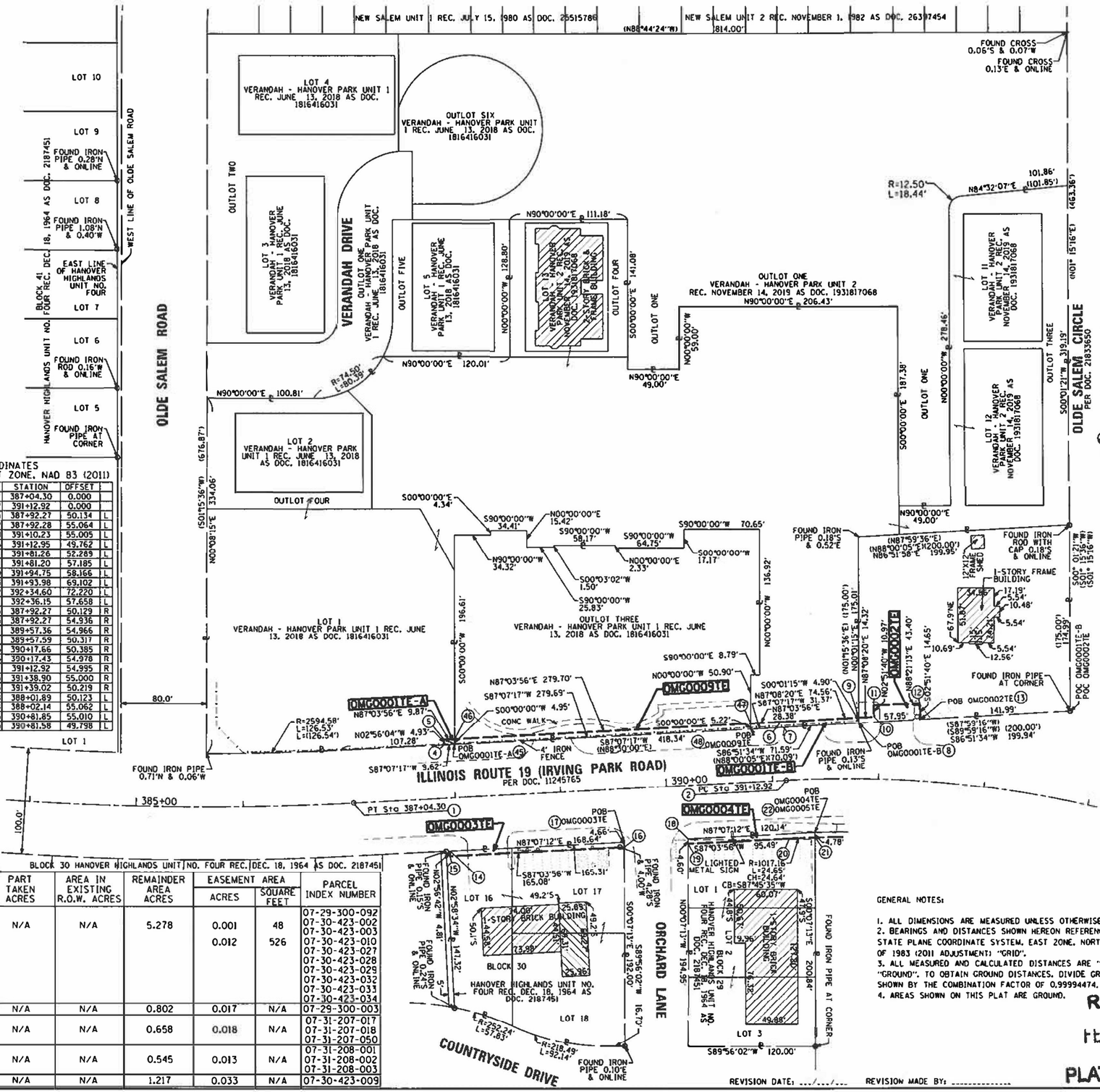
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RT. 19 AND WISE RD.
SCHAUMBURG, ILLINOIS

SCALE: | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2019-055-TS	COOK	112	36
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		

PART OF SECTIONS 29, 30, 31, AND 32 TWP. 41 N., R. 10 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- (129.32') COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

N

GRAPHIC SCALE FEET

SCALE: 1"= 50'

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER. I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

POINT	NORTHING	EASTING	STATION	OFFSET	
1	1,943,886.221	1,039,354.412	387+04.30	0.000	
2	1,943,907.215	1,039,762.492	391+12.92	0.000	
4	1,943,940.809	1,039,439.695	387+92.27	50.134	L
5	1,943,945.733	1,039,439.442	387+92.28	55.064	L
6	1,943,962.009	1,039,756.979	391+10.23	55.005	L
7	1,943,956.913	1,039,759.966	391+12.95	49.762	L
8	1,943,960.835	1,039,831.448	391+81.26	52.289	L
9	1,943,965.731	1,039,831.450	391+81.20	57.185	L
10	1,943,966.446	1,039,845.750	391+94.75	58.166	L
11	1,943,977.399	1,039,845.203	391+93.98	69.102	L
12	1,943,978.646	1,039,888.582	392+34.60	72.220	L
13	1,943,964.010	1,039,889.314	392+36.15	57.658	L
14	1,943,840.678	1,039,444.846	387+92.27	50.129	R
15	1,943,835.878	1,039,445.093	387+92.27	54.936	R
16	1,943,844.329	1,039,609.961	389+57.36	54.966	R
17	1,943,848.984	1,039,609.951	389+57.59	50.317	R
18	1,943,852.002	1,039,669.945	390+17.66	50.385	R
19	1,943,847.404	1,039,669.955	390+17.43	54.978	R
20	1,943,852.292	1,039,765.317	391+12.92	54.995	R
21	1,943,853.256	1,039,789.943	391+38.90	55.000	R
22	1,943,858.039	1,039,789.933	391+39.02	50.219	R
45	1,943,941.291	1,039,449.298	388+01.89	50.123	L
46	1,943,946.236	1,039,449.298	388+02.14	55.062	L
47	1,943,960.557	1,039,728.635	390+81.85	55.010	L
48	1,943,955.338	1,039,728.635	390+81.58	49.798	L

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
OMG0001TE-A	5.278	N/A	N/A	5.278	0.001	48	07-29-300-092 07-30-423-002
OMG0001TE-B					0.012	526	07-30-423-003 07-30-423-010 07-30-423-027 07-30-423-028 07-30-423-029 07-30-423-032 07-30-423-033 07-30-423-034
OMG0002TE	0.802	N/A	N/A	0.802	0.017	N/A	07-29-300-003
OMG0003TE	0.658	N/A	N/A	0.658	0.018	N/A	07-31-207-017 07-31-207-018 07-31-207-050
OMG0004TE	0.545	N/A	N/A	0.545	0.013	N/A	07-31-208-001 07-31-208-002 07-31-208-003
OMG0009TE	1.217	N/A	N/A	1.217	0.033	N/A	07-30-423-009

	DATE	BY
DRAWN	07-25-19	SMC
APPROVED	07-25-19	DAG
REVISED	08-20-19	GKF
REVISED	02-05-21	SMC

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 29, 30, 31 AND 32 TOWNSHIP 41 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS_____ DAY OF _____. 21__ A.D.

_____
DALE A. GRAY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
LICENSE EXPIRES: NOVEMBER 30, 2022
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

GENERAL NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL DISTANCES AND CALCULATED ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994474.
4. AREAS SHOWN ON THIS PLAT ARE GROUND.

REVISION DATE: .../.../... REVISION MADE BY: _____

RECEIVED
FOR USE ONLY
FEB 08 2021
PLATS & LEGALS

MACKIE CONSULTANTS
Mackie Consultants, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018
(847)696-1400
www.mackieconsult.com

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 19 (IRVING PARK ROAD)

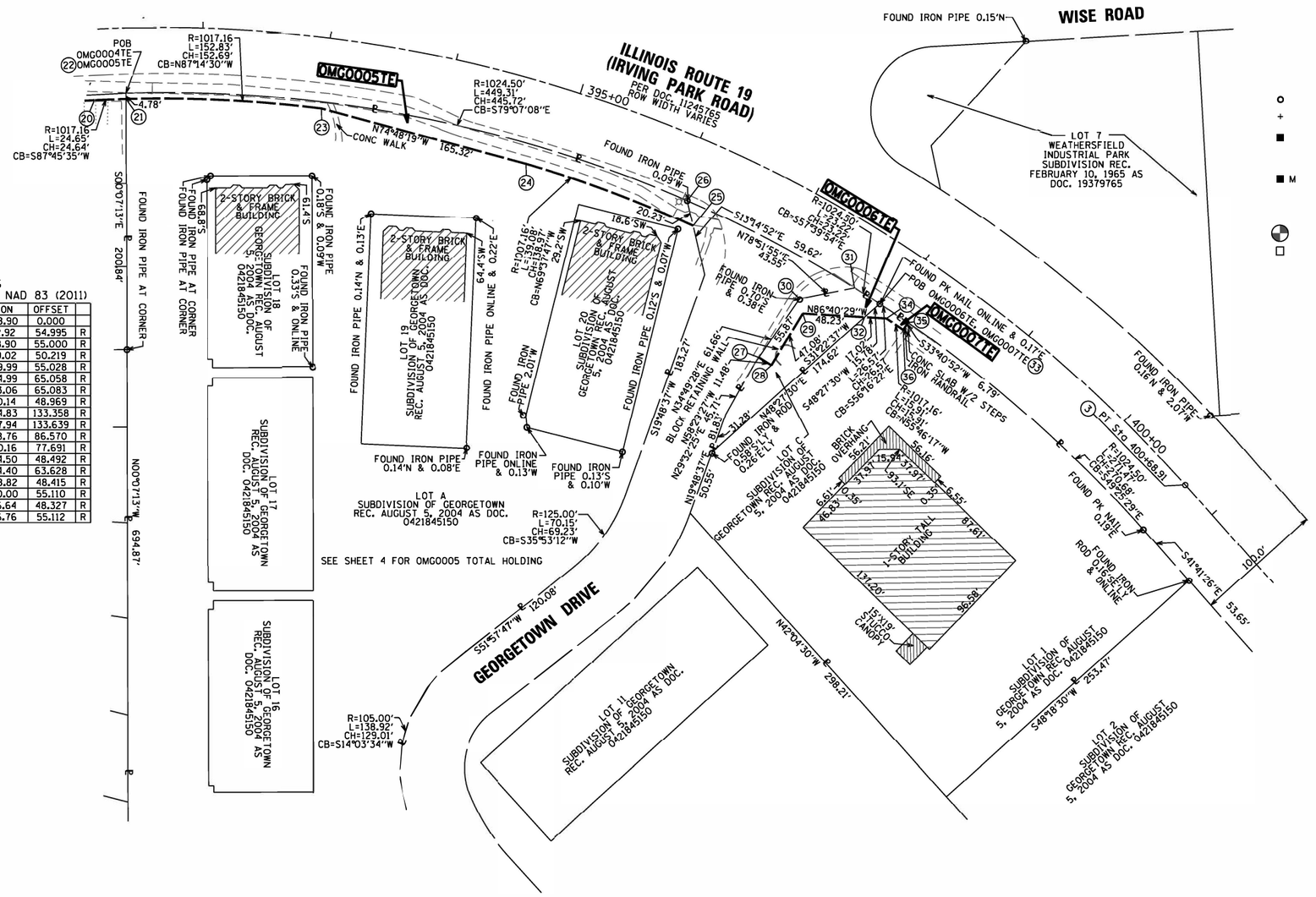
LIMITS: AT WISE ROAD — COUNTY: COOK
SECTION: — JOB NO.: R-90-019-16
STA. 387+04.30 TO STA. 392+36.15
SCALE: 1" = 50' — SHEET 37 OF 112 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

2/5/2021 21302 PM
N:\3873\Survey\Processed\Final\3873-Plat of Highways-02.dgn

PART OF SECTIONS 29, 30, 31, AND 32 TWP. 41 N., R. 10 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
OMG0005TE	4.369	N/A	N/A	4.369	0.115	N/A	07-32-108-105
OMG0006TE	0.108	N/A	N/A	0.108	0.034	N/A	07-32-109-089
OMG0007TE	1.795	N/A	N/A	1.795	0.006	238	07-32-109-046



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE (APL)
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE (AC)
- PROPOSED ACCESS CONTROL LINE (AC)
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

N

GRAPHIC SCALE FEET 0 50

SCALE: 1"= 50'

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

POINT	NORTHING	EASTING	STATION	OFFSET	
3	1,943,551.906	1,040,616.127	400+68.90	0.000	
20	1,943,852.292	1,039,765.317	391+12.92	54.995	R
21	1,943,853.256	1,039,789.943	391+38.90	55.000	R
22	1,943,858.039	1,039,789.933	391+39.02	50.219	R
23	1,943,845.908	1,039,942.453	392+99.99	55.028	R
24	1,943,802.578	1,040,101.993	394+74.99	65.058	R
25	1,943,754.203	1,040,232.273	396+23.06	65.083	R
26	1,943,773.899	1,040,227.636	396+10.14	48.969	R
27	1,943,651.494	1,040,283.504	397+24.83	133.358	R
28	1,943,645.495	1,040,293.290	397+37.94	133.639	R
29	1,943,685.686	1,040,317.801	397+38.76	86.570	R
30	1,943,697.361	1,040,315.411	397+30.16	77.691	R
31	1,943,705.772	1,040,358.144	397+64.50	48.492	R
32	1,943,682.888	1,040,365.953	397+84.40	63.628	R
33	1,943,693.352	1,040,377.764	397+88.82	48.415	R
34	1,943,681.901	1,040,382.945	398+00.00	55.110	R
35	1,943,678.601	1,040,399.859	398+16.64	48.327	R
36	1,943,672.954	1,040,396.096	398+16.76	55.112	R

	DATE	BY
	11-16-22	GKF
REVISED		
DRAWN	07-25-19	SMC
APPROVED	07-25-19	DAG
REVISED	02-05-21	SMC
REVISED	10-28-21	SMC

GENERAL NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994474.
4. AREAS SHOWN ON THIS PLAT ARE GROUND.

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 29, 30, 31 AND 32 TOWNSHIP 41 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS_____ DAY OF _____, 20__ A.D.

_____
DALE A. GRAY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
LICENSE EXPIRES: NOVEMBER 30, 2024
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Mackie Consultants, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018
(847)696-1400
www.mackieconsult.com

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 19 (IRVING PARK ROAD)

LIMITS: AT WISE ROAD — COUNTY: COOK
SECTION: — JOB NO.: R-90-019-16
STA. 391+39.02 TO STA. 400+68.91
SCALE: 1" = 50' — SHEET 38 OF 112 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

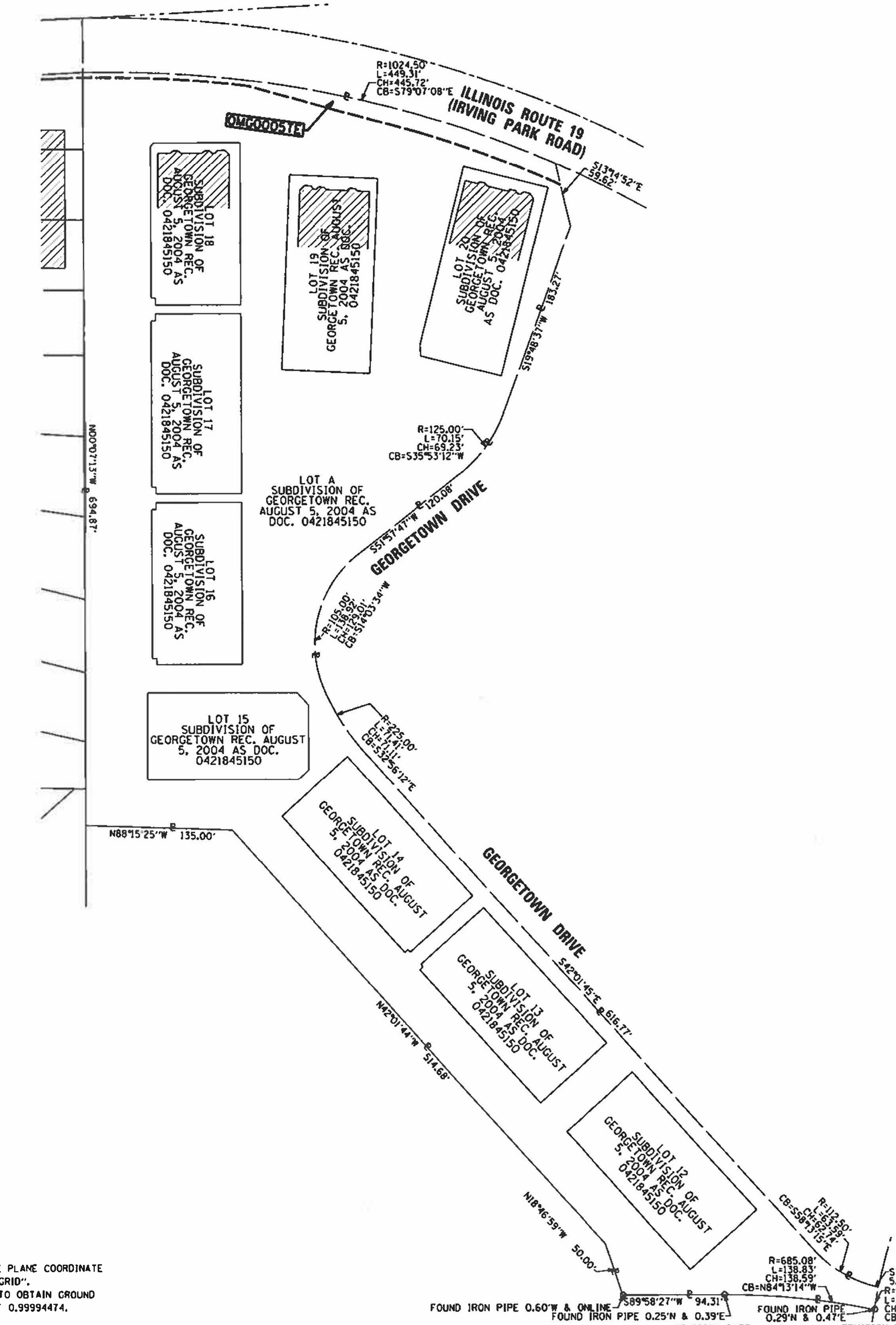
IDOT USE ONLY

APPROVED
By Rod Richgruber at 7:03 am, Nov 17, 2022

REVISION DATE: ___/___/___ REVISION MADE BY: _____

11/6/2022 3:48:48 PM
N:\3673\Survey\Proposed\Final\3673-Plat of Highways-03.plt

PART OF SECTIONS 29, 30, 31, AND 32 TWP. 41 N., R. 10 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



REVISION DATE: ___/___/___ REVISION MADE BY: ____________

LEGEND

9 10 / 16 15 SECTION CORNER

16 15 QUARTER SECTION CORNER

N

GRAPHIC SCALE FEET 0 60

SCALE: 1" = 60'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
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- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
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- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

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DATED AT ROSEMONT, ILLINOIS THIS_____ DAY OF __________, 21__ A.D.

____
DALE A. GRAY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
LICENSE EXPIRES: NOVEMBER 30, 2022
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

GENERAL NOTES:

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4. AREAS SHOWN ON THIS PLAT ARE GROUND.

	DATE	BY
DRAWN	07-25-19	SMC
APPROVED	07-25-19	DAG
REVISED	02-05-21	SMC

2/5/2021 N:\3673\Survey\Proposed\final\3673-Plat of Highways-04.dgn

Mackie Consultants, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018
(847)696-1400
www.mackieconsult.com
MACKIE CONSULTANTS

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 19 (IRVING PARK ROAD)

LIMITS: AT WISE ROAD COUNTY: COOK
SECTION: JOB NO.: R-90-019-16
STA. TO STA.
SCALE: 1" = 60' SHEET 39 OF 112 SHEETS

RECEIVED FEB 08 2021 PLATS & LEGALS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

BEGIN IMPROVEMENT
STA. 387+92

IL. ROUTE 19
(IRVING PARK ROAD)

N

PROP. PAINTED MEDAIN

PROP. THERMO. PAVEMENT MARKING LINE, 6"(2' DASH, 6' SKIP WHITE)

PROP. T.E.

12'
12'
12'
12'

40:1 TAPER

390+00

115' STORAGE

198' STORAGE

11'
11'
11'
11'
11'
11'
11'
11'
11'
11'
11'
11'
11'
11'
11'
11'

PROP. THERMO. PAVEMENT MARKING LINE, 6"(2' DASH, 6' SKIP WHITE)

PROP. T.E.

2 EXPRESSO KENTUCKY COFFEETREE (MULCH RINGS)

PROP. THERMO. PAVEMENT MARKING LINE 4" DOUBLE YELLOW @ 11" C-C (TYP)

ORCHARD LANE

KEYSTONE PLACE

PROP. THERMO. PAVEMENT MARKING LETTERS & SYMBOLS, WHITE (TYP)

PROP. THERMO PAVEMENT MARKING, 4" WHITE, 10' LINE, 30' SPACING, (TYP)

PROP. THERMO. PAVEMENT MARKING LINE, 6" (2' DASH, 6' SKIP WHITE)

PROP. THERMO. PAVEMENT MARKING LINE, 6" WHITE (TYP)

35 - STELLA DE ORO DAYLILLI (18" OC/STAGGERED/MULCH BED) INTERPLANTED WITH
35 - JETFIRE DAFFODIL BULBS &
35 - TETE A TETE DAFFODIL BULBS

6 IVORY SILK JAPANESE TREE LILAC (MULCH RINGS)

PROP. THERMO PAVEMENT MARKING, 4" WHITE, 10' LINE, 30' SPACING, (TYP)

END IMPROVEMENT
STA. 1+40

218' STORAGES

395+00

385' STORAGE

385' STORAGE

150' STORAGE

10+00

GEORGETOWN DRIVE

COUNTRYSIDE DR

GLENWOOD LANE

KEYSTONE PLACE

BEGIN IMPROVEMENT
STA. 8+78

PROP. THERMO. PAVEMENT MARKING LINE, 6" WHITE (TYP) 60' STORAGE

15 - NARROW LEAF BLUE STAR (36" OC/STAGGERED/MULCH BED) INTERPLANTED WITH
65 - JETFIRE DAFFODIL BULBS &
65 - TETE A TETE DAFFODIL BULBS

PROP. TOP SOIL, 30"

BROWNSTONE PLACE

FLAGSTONE PLACE

WISE ROAD

PROP. THERMO. PAVEMENT MARKING LINE, 12" CROSSWALK, WHITE (TYP)

IL. ROUTE 19
(IRVING PARK ROAD)

PROP. THERMO. PAVEMENT MARKING, 24" STOPLINE, WHITE (TYP)

PROP. THERMO. PAVEMENT MARKING LETTERS & SYMBOLS, WHITE (TYP)

5+00

8'
10'
8'

11'
11'
11'
11'
11'
11'

145' STORAGE

175' TAPER

12'
12'
12'
12'
12'
12'

PROP. PAINT CURB (YELLOW)

PROP. THERMO. PAVEMENT MARKING LINE 4" DOUBLE YELLOW @ 11" C-C (TYP)

2 IVORY SILK JAPANESE TREE LILAC (MULCH RINGS)

END IMPROVEMENT
STA. 401+30

1800+00

PROP. THERMO. PAVEMENT MARKING LINE 12" DIAGONALS (MIN. 5)

W

USER NAME = Addis.Abebaw	DESIGNED -	REVISED -	
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PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/13/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PAVEMENT MARKING PLAN AND LANDSCAPING PLAN
U.S. ROUTE 19 (IRVING PARK ROAD) AT WISE ROAD/GEORGETOWN DRIVE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	119	40
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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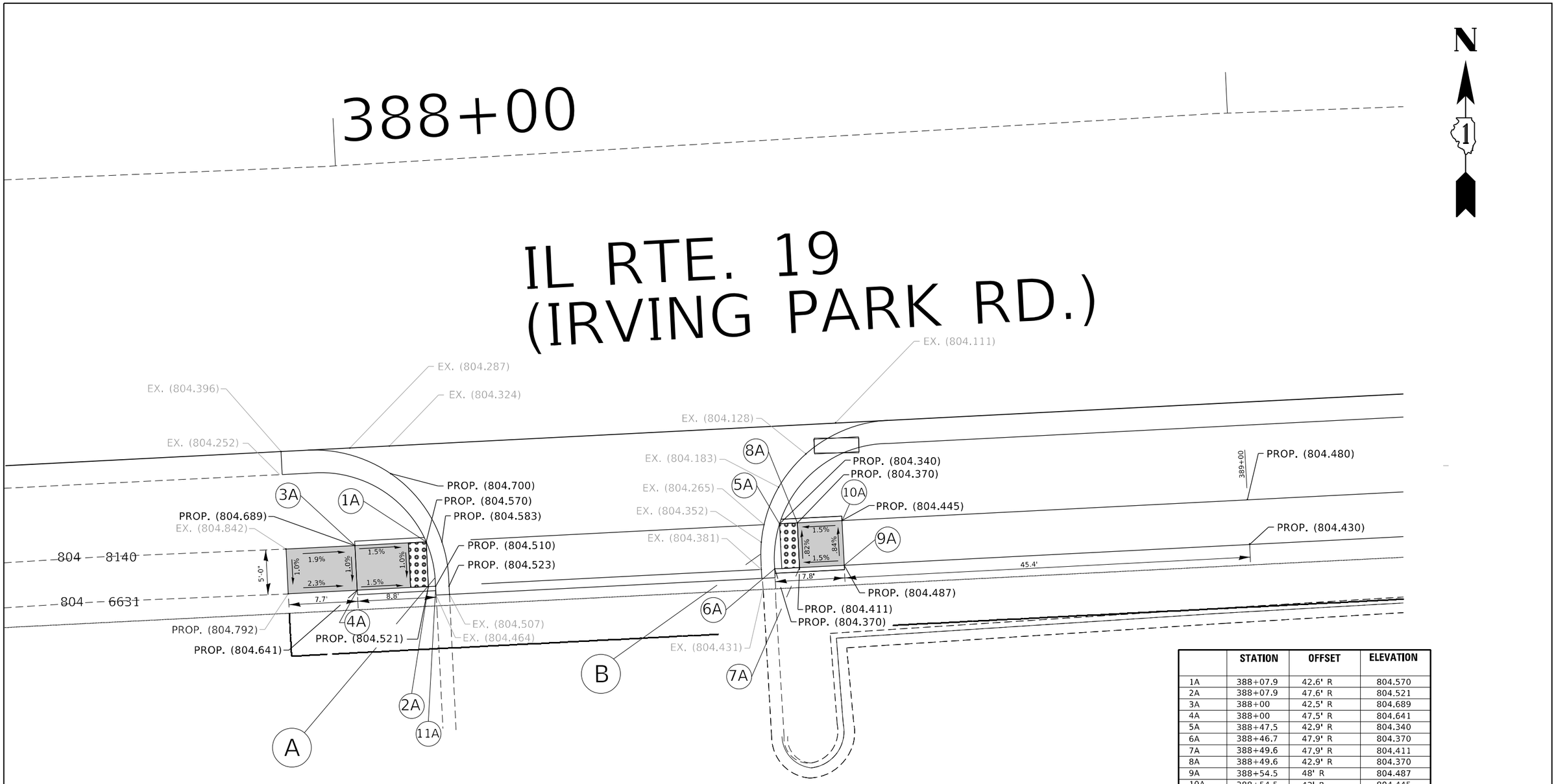

	STATION	OFFSET	ELEVATION
1A	388+07.9	42.6' R	804.570
2A	388+07.9	47.6' R	804.521
3A	388+00	42.5' R	804.689
4A	388+00	47.5' R	804.641
5A	388+47.5	42.9' R	804.340
6A	388+46.7	47.9' R	804.370
7A	388+49.6	47.9' R	804.411
8A	388+49.6	42.9' R	804.370
9A	388+54.5	48' R	804.487
10A	388+54.5	43' R	804.445
11A	388+08.7	47.6' R	804.510

NOTE:

FOR MAST ARM FOUNDATION LOCATIONS REFER TO TRAFFIC SIGNAL MODERNIZATION PLAN

REFERENCE BENCHMARK ELEV. = REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

BENCHMARK : REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

LOCATION: STA. 388+00 (W. OF ORCHARD LN.)

LEGEND

XX.XX' EXISTING LENGTH

PROPOSED SIDE CURB

( ) EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV. = REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

BENCHMARK : REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

LOCATION: STA. 388+00 (W. OF ORCHARD LN.)

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			REVISED -
	PLOT SCALE = 11.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/17/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL A & B
IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	41
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	

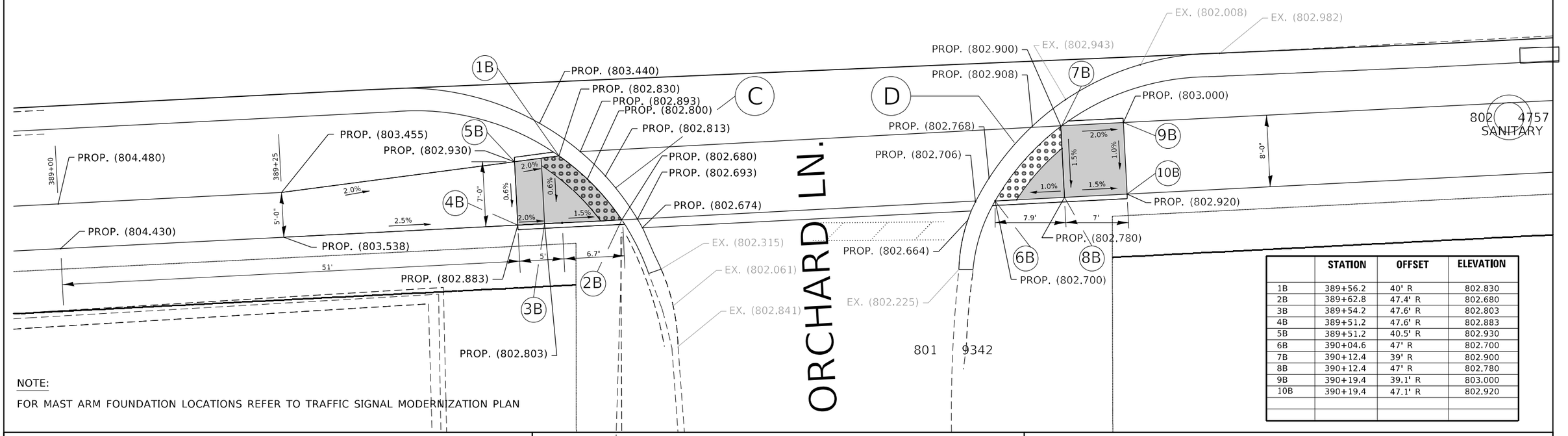
IL RTE. 19
(IRVING PARK RD.)

389+00

390+00

N

1



NOTE:

FOR MAST ARM FOUNDATION LOCATIONS REFER TO TRAFFIC SIGNAL MODERNIZATION PLAN

	STATION	OFFSET	ELEVATION
1B	389+56.2	40' R	802.830
2B	389+62.8	47.4' R	802.680
3B	389+54.2	47.6' R	802.803
4B	389+51.2	47.6' R	802.883
5B	389+51.2	40.5' R	802.930
6B	390+04.6	47' R	802.700
7B	390+12.4	39' R	802.900
8B	390+12.4	47' R	802,780
9B	390+19.4	39.1' R	803.000
10B	390+19.4	47.1' R	802.920

REFERENCE BENCHMARK ELEV. = REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

BENCHMARK : REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

LOCATION: STA. 390+00 (AT ORCHARD LN.)

LEGEND

XX.XX'	EXISTING LENGTH
———	PROPOSED SIDE CURB
( )	EXISTING ELEVATION/SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV. = REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

BENCHMARK : REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

LOCATION: STA. 390+00 (AT ORCHARD LN.)

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Default	PLOT DATE = 1/17/2023	DATE -	REVISED -

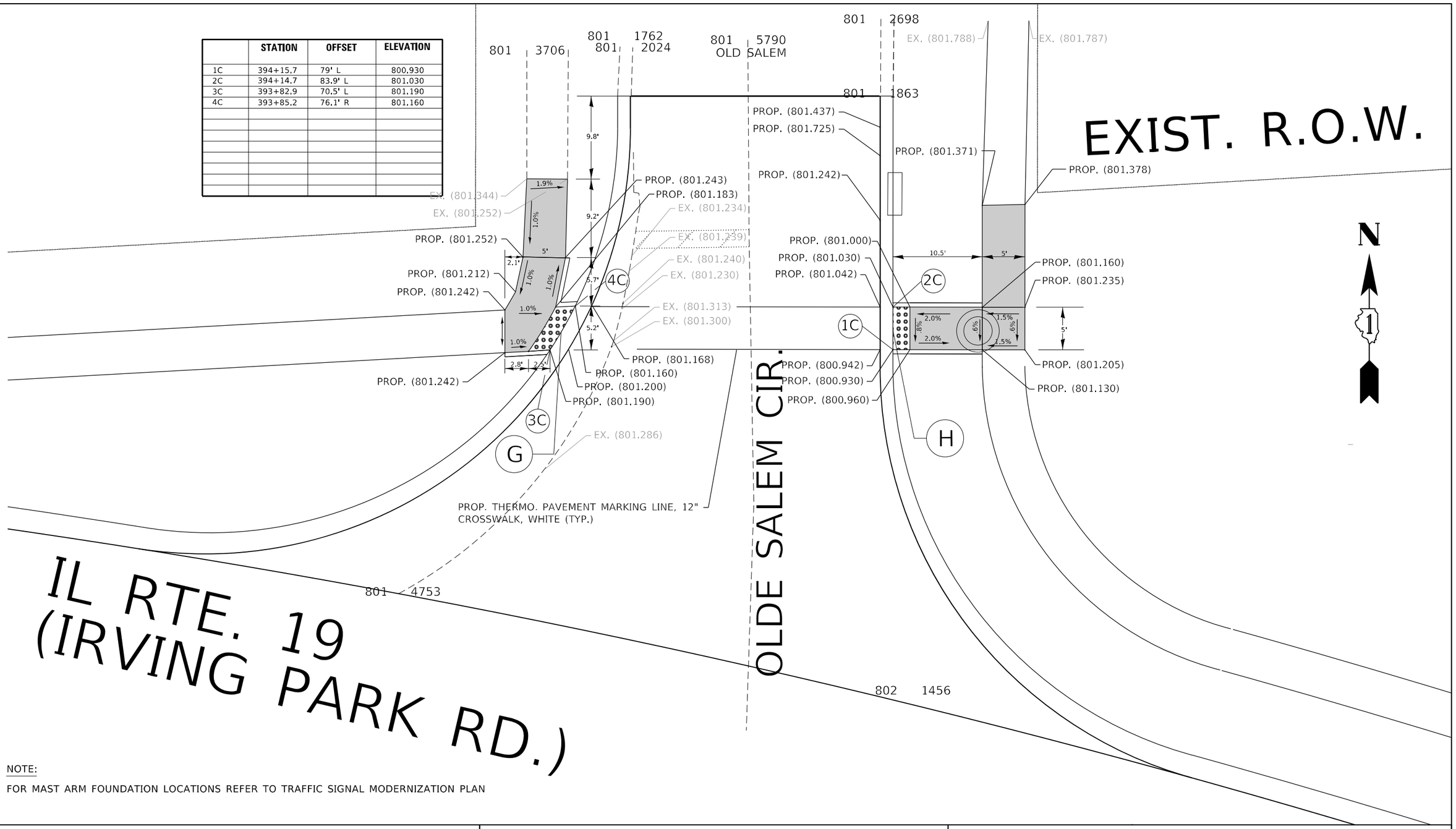
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL C & D
IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	42
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	

	STATION	OFFSET	ELEVATION
1C	394+15.7	79' L	800.930
2C	394+14.7	83.9' L	801.030
3C	393+82.9	70.5' L	801.190
4C	393+85.2	76.1' R	801.160



NOTE:

FOR MAST ARM FOUNDATION LOCATIONS REFER TO TRAFFIC SIGNAL MODERNIZATION PLAN

REFERENCE BENCHMARK ELEV. = REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

BENCHMARK : REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

LOCATION: IL RTE. 19 AT OLD SALEM CIR.

LEGEND

- XX.XX' — EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) — EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV. = REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

BENCHMARK : REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

LOCATION: IL RTE. 19 AT OLD SALEM CIR.

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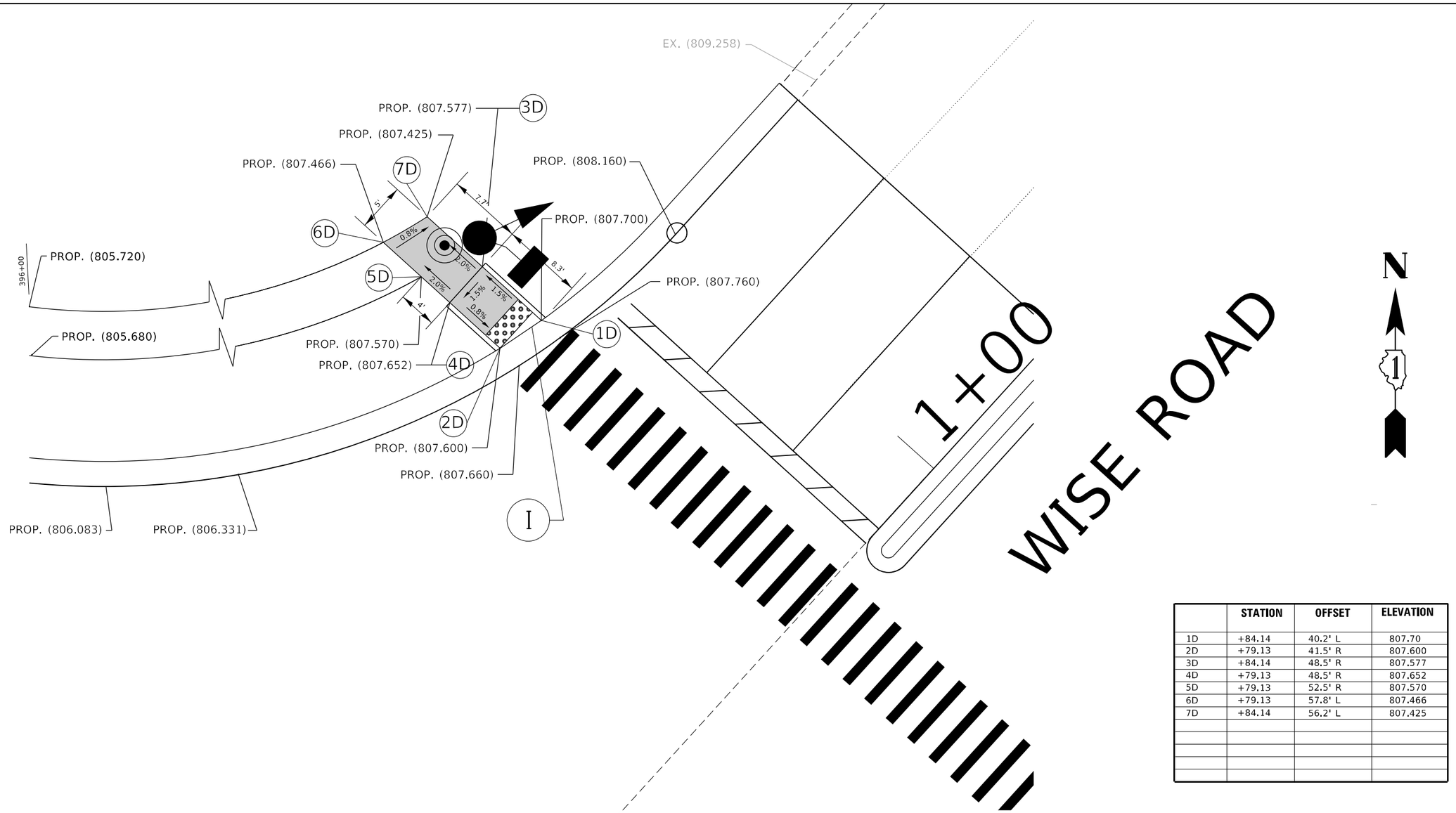
Default	PLOT DATE = 1/17/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL G & H
IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	43
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		



	STATION	OFFSET	ELEVATION
1D	+84.14	40.2' L	807.70
2D	+79.13	41.5' R	807.600
3D	+84.14	48.5' R	807.577
4D	+79.13	48.5' R	807.652
5D	+79.13	52.5' R	807.570
6D	+79.13	57.8' L	807.466
7D	+84.14	56.2' L	807.425

NOTE:

FOR MAST ARM FOUNDATION LOCATIONS REFER TO TRAFFIC SIGNAL MODERNIZATION PLAN

REFERENCE BENCHMARK ELEV. = REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

BENCHMARK : REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

LOCATION: IL RTE. 19 AT WISE (NW CORNER)

LEGEND

- xx.xx' — EXISTING LENGTH
- 801 1384 — PROPOSED SIDE CURB
- ( ) — EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV. = REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

BENCHMARK : REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

LOCATION: IL RTE. 19 AT WISE (NW CORNER)

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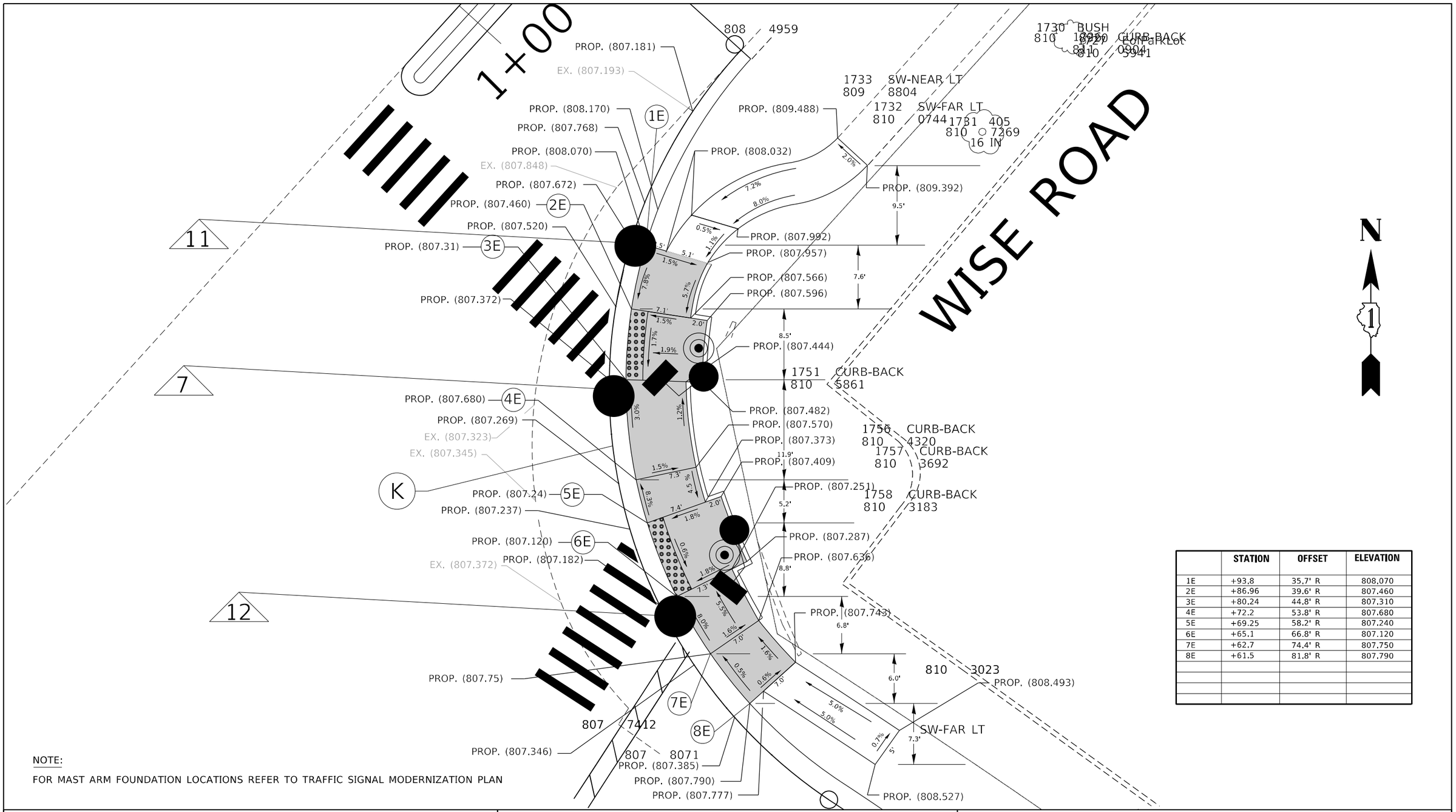
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL I
IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	44
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	



	STATION	OFFSET	ELEVATION
1E	+93.8	35.7' R	808.070
2E	+86.96	39.6' R	807.460
3E	+80.24	44.8' R	807.310
4E	+72.2	53.8' R	807.680
5E	+69.25	58.2' R	807.240
6E	+65.1	66.8' R	807.120
7E	+62.7	74.4' R	807.750
8E	+61.5	81.8' R	807.790

NOTE:

FOR MAST ARM FOUNDATION LOCATIONS REFER TO TRAFFIC SIGNAL MODERNIZATION PLAN

REFERENCE BENCHMARK ELEV. = REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

BENCHMARK : REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

LOCATION: IL RTE. 19 AT WISE (NE CORNER)

LEGEND

XX.XX' EXISTING LENGTH

PROPOSED SIDE CURB

( ) EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV. = REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

BENCHMARK : REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

LOCATION: IL RTE. 19 AT WISE (NE CORNER)

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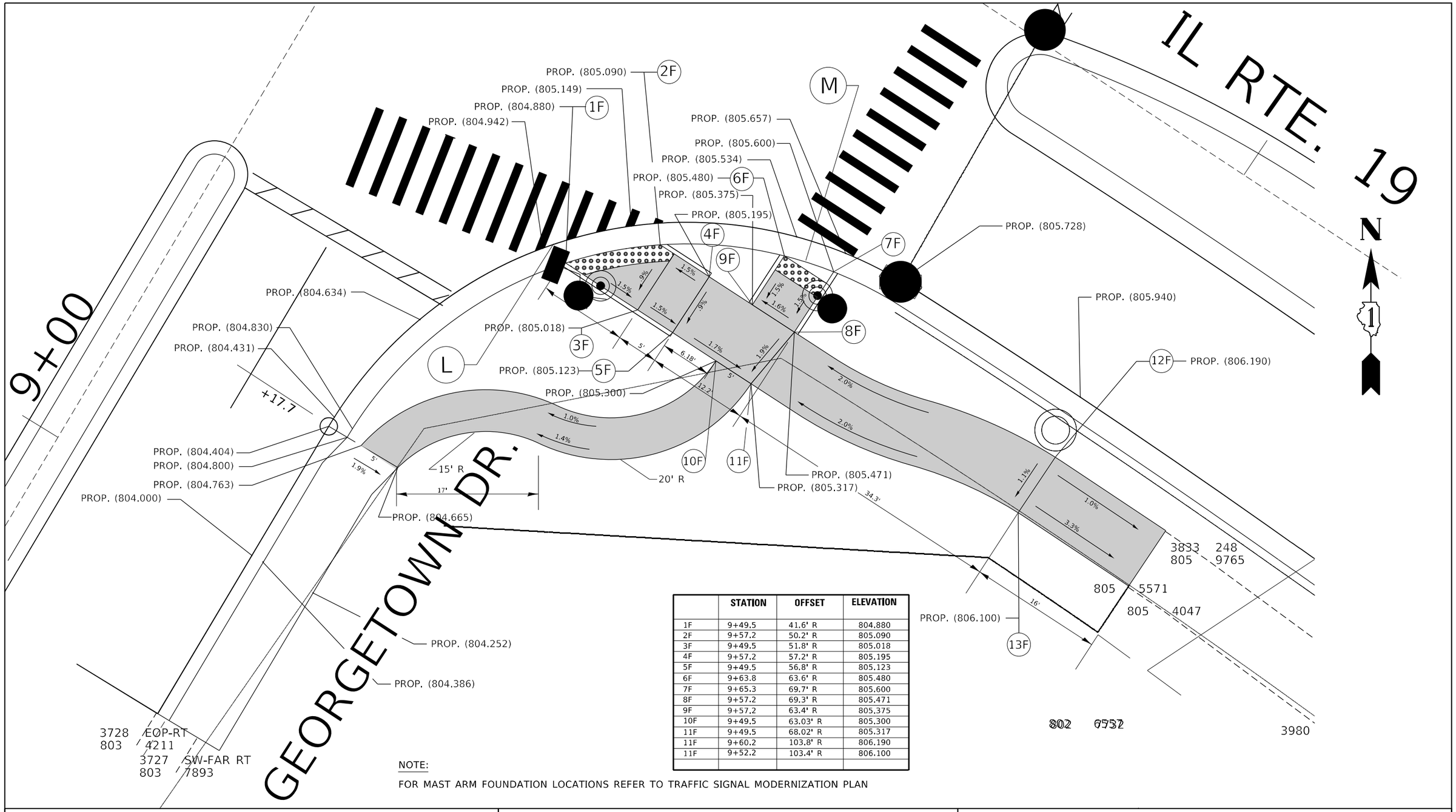
Default	PLOT DATE = 1/17/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL K
IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET
1321	2019-055-TS	COOK	112	45
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			



	STATION	OFFSET	ELEVATION
1F	9+49.5	41.6' R	804.880
2F	9+57.2	50.2' R	805.090
3F	9+49.5	51.8' R	805.018
4F	9+57.2	57.2' R	805.195
5F	9+49.5	56.8' R	805.123
6F	9+63.8	63.6' R	805.480
7F	9+65.3	69.7' R	805.600
8F	9+57.2	69.3' R	805.471
9F	9+57.2	63.4' R	805.375
10F	9+49.5	63.03' R	805.300
11F	9+49.5	68.02' R	805.317
11F	9+60.2	103.8' R	806.190
11F	9+52.2	103.4' R	806.100

NOTE:

FOR MAST ARM FOUNDATION LOCATIONS REFER TO TRAFFIC SIGNAL MODERNIZATION PLAN

REFERENCE BENCHMARK ELEV. = REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

BENCHMARK : REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

LOCATION: IL RTE. 19 AT WISE (SE CORNER)

LEGEND

- XX.XX' — EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) — EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV. = REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

BENCHMARK : REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

LOCATION: IL RTE. 19 AT WISE (SE CORNER)

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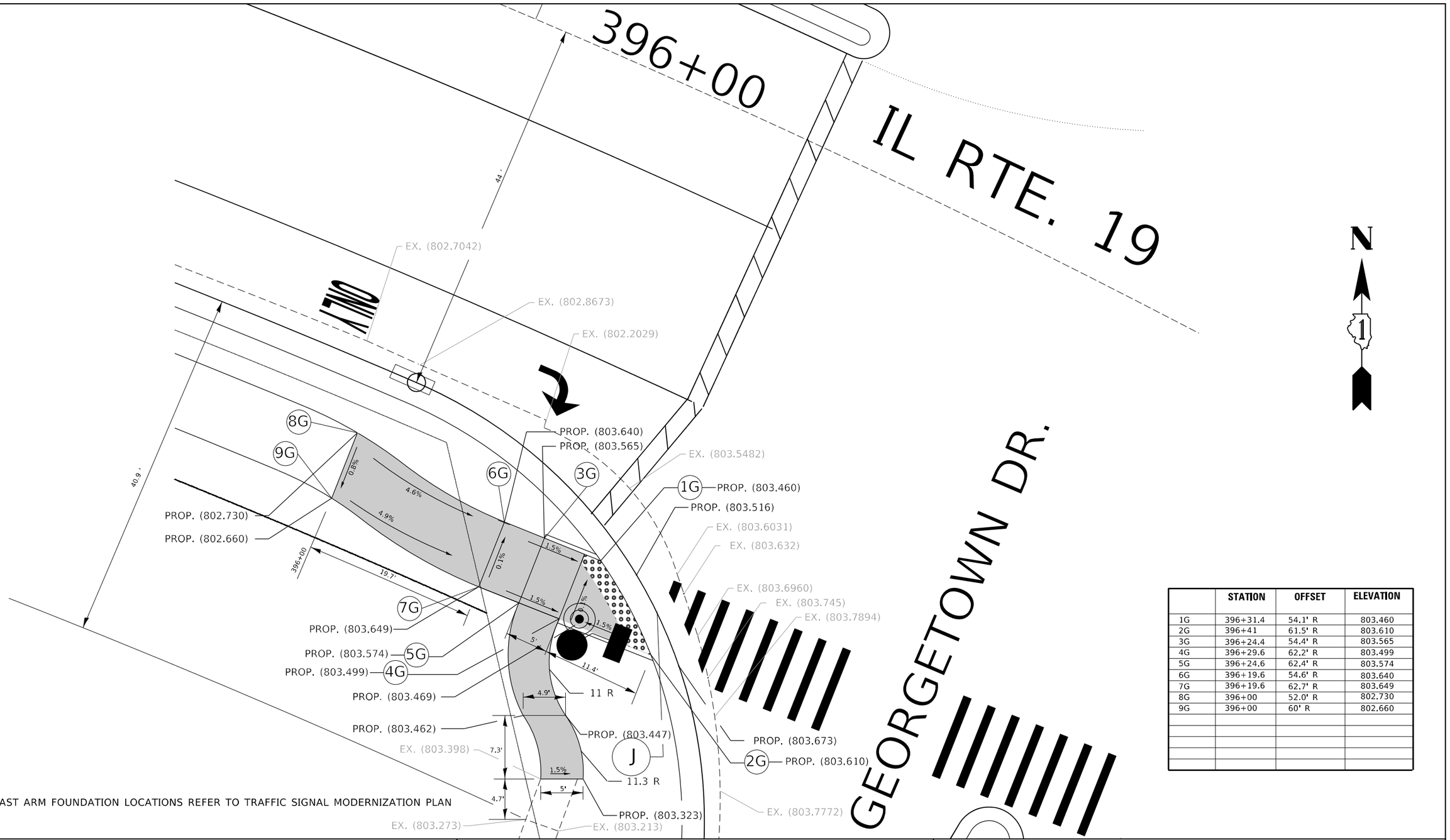
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL L & M
IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	46
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		



	STATION	OFFSET	ELEVATION
1G	396+31.4	54.1' R	803.460
2G	396+41	61.5' R	803.610
3G	396+24.4	54.4' R	803.565
4G	396+29.6	62.2' R	803.499
5G	396+24.6	62.4' R	803.574
6G	396+19.6	54.6' R	803.640
7G	396+19.6	62.7' R	803.649
8G	396+00	52.0' R	802.730
9G	396+00	60' R	802.660

NOTE:

FOR MAST ARM FOUNDATION LOCATIONS REFER TO TRAFFIC SIGNAL MODERNIZATION PLAN

REFERENCE BENCHMARK ELEV. = REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

BENCHMARK : REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

LOCATION: IL RTE. 19 AT WISE (SW CORNER)

LEGEND

- XX.XX' — EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) — EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV. = REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

BENCHMARK : REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

LOCATION: IL RTE. 19 AT WISE (SW CORNER)

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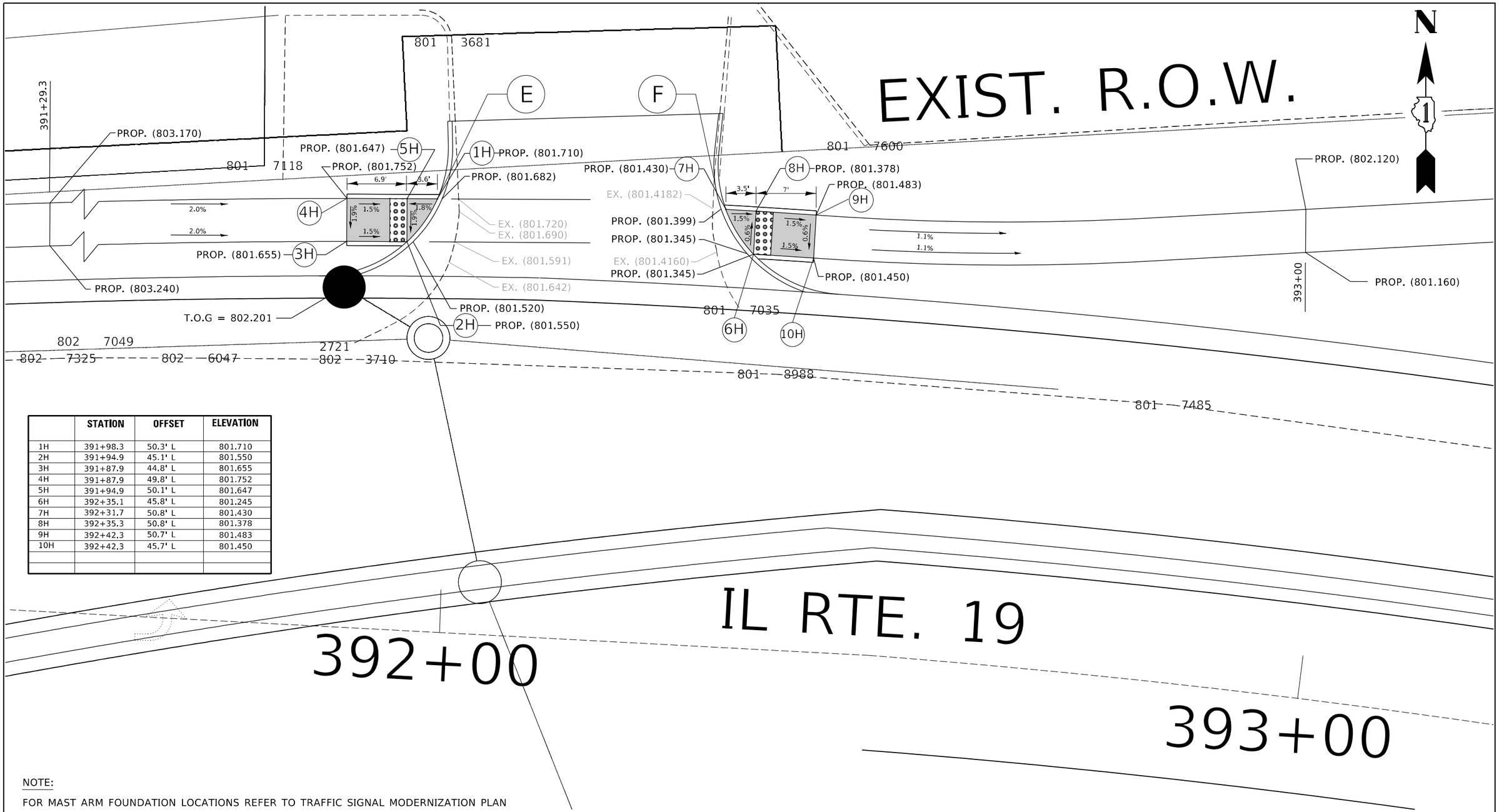
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL J
IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.

SCALE: · | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	47
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			



	STATION	OFFSET	ELEVATION
1H	391+98.3	50.3' L	801.710
2H	391+94.9	45.1' L	801.550
3H	391+87.9	44.8' L	801.655
4H	391+87.9	49.8' L	801.752
5H	391+94.9	50.1' L	801.647
6H	392+35.1	45.8' L	801.245
7H	392+31.7	50.8' L	801.430
8H	392+35.3	50.8' L	801.378
9H	392+42.3	50.7' L	801.483
10H	392+42.3	45.7' L	801.450

NOTE:

FOR MAST ARM FOUNDATION LOCATIONS REFER TO TRAFFIC SIGNAL MODERNIZATION PLAN

REFERENCE BENCHMARK ELEV. = REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

BENCHMARK : REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

LOCATION: AT STA. 392+00 ON IL RTE. 19

LEGEND

XX.XX' EXISTING LENGTH

PROPOSED SIDE CURB

( ) EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV. = REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

BENCHMARK : REFER TO ALIGNMENT, TIES AND BENCHMARKS SHEET

LOCATION: AT STA. 392+00 ON IL RTE. 19

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL E & F
IL. ROUTE 19 (IRVING PARK ROAD) AT WISE RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	48
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	CC	CC
MASTER CONTROLLER	MC	MC
MASTER MASTER CONTROLLER	MMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX	J	J
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET	RXR	RXR
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	R	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R Y G ◄Y ◄G (P)	R Y G ◄Y ◄G (P)
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	R Y G ◄Y ◄G (P) (RB)	R Y G ◄Y ◄G (P) (RB)
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

TS SHT NO. 1

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	49
	TS–05	CONTRACT NO. 62J30		
		ILLINOIS FED. AID PROJECT		

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LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

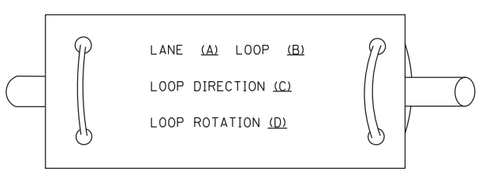
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

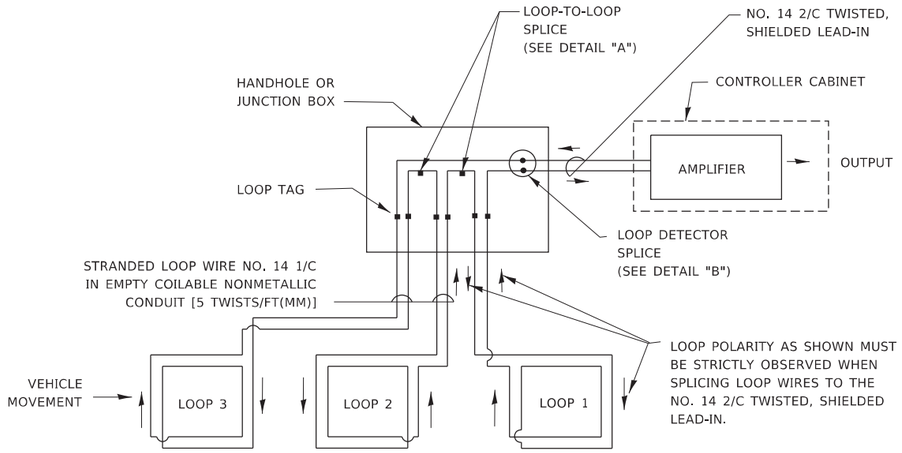


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

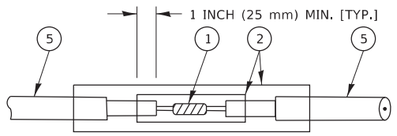
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

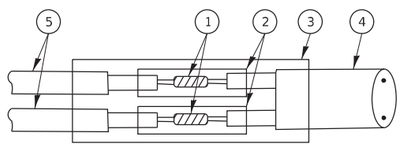


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

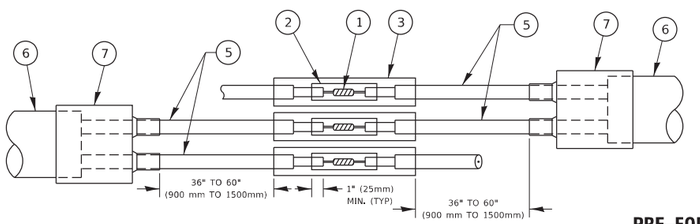


DETAIL "A"
LOOP-TO-LOOP SPLICE



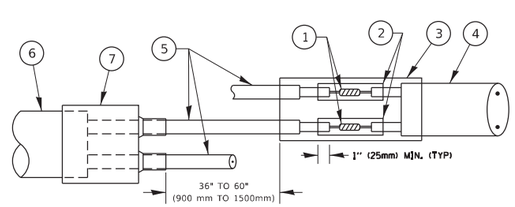
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

1. WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
2. WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
3. WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
4. NO. 14 2/C TWISTED, SHIELDED CABLE.
5. LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP
6. XL POLYOLEFIN 2 CONDUCTOR
7. BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

TS SHT NO. 2

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DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	50
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	ILLINOIS FED. AID PROJECT			

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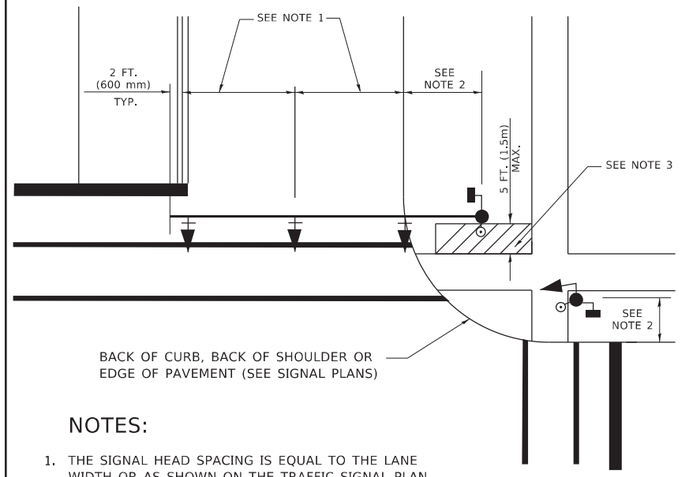
TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

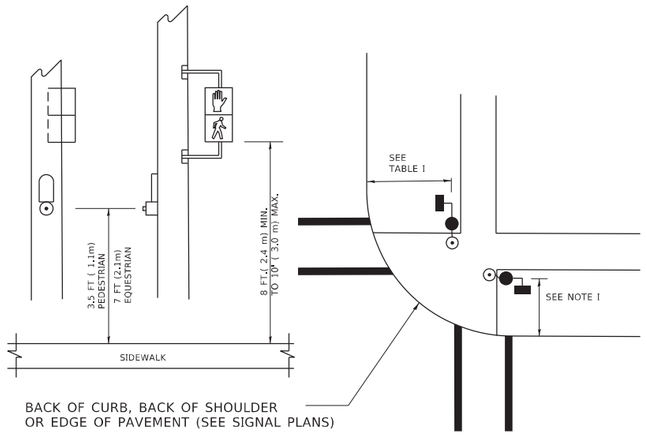
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

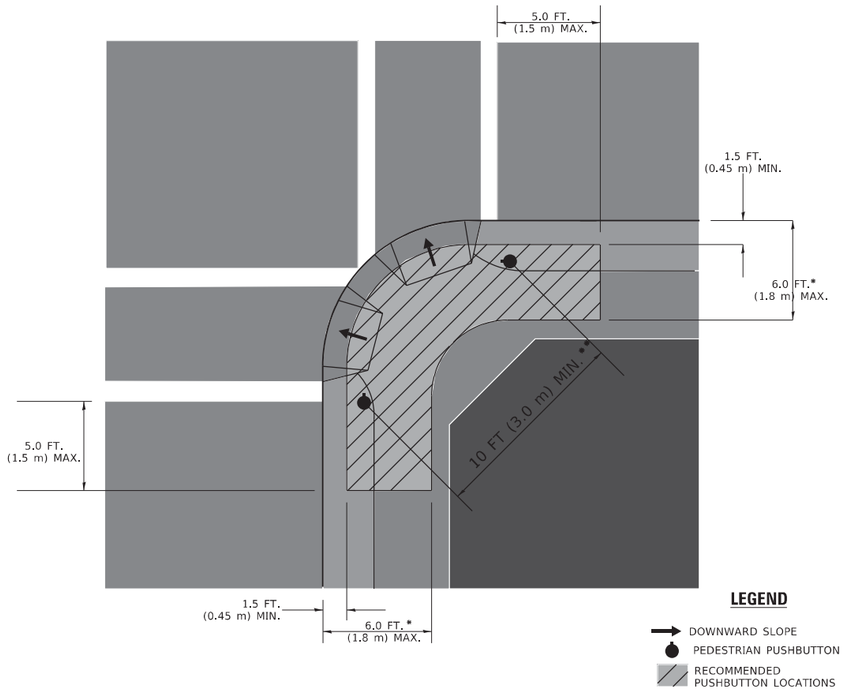
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

TS SHT NO. 3

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	51
	TS–05	CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		

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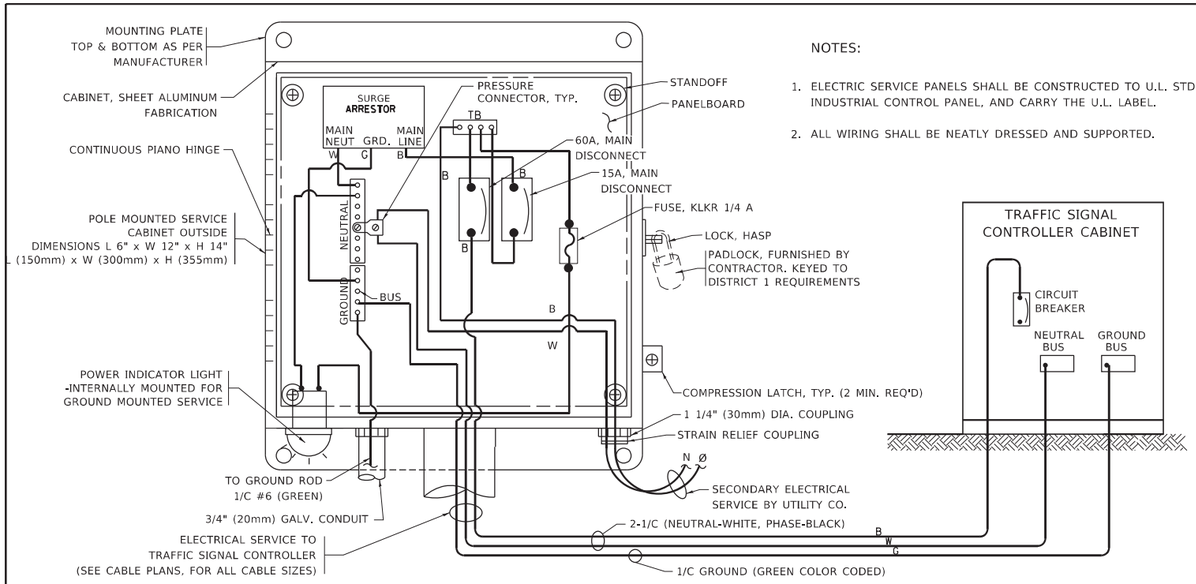


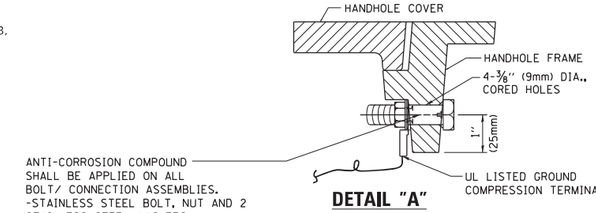
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

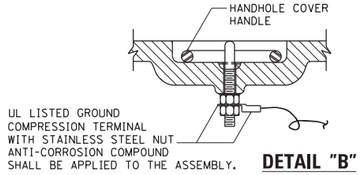
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)



DETAIL "A"

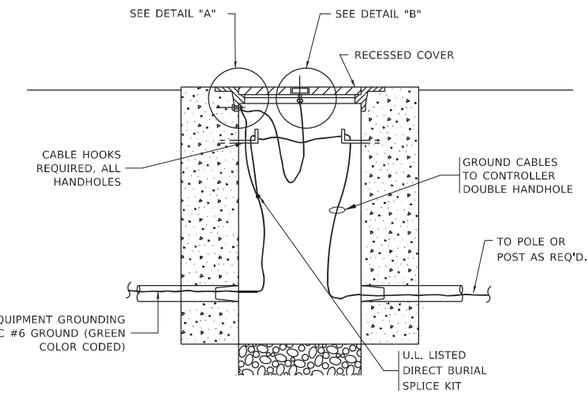


DETAIL "B"

NOTES:

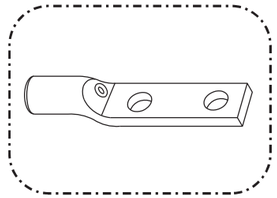
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC,). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

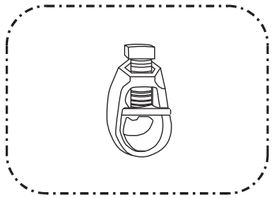


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



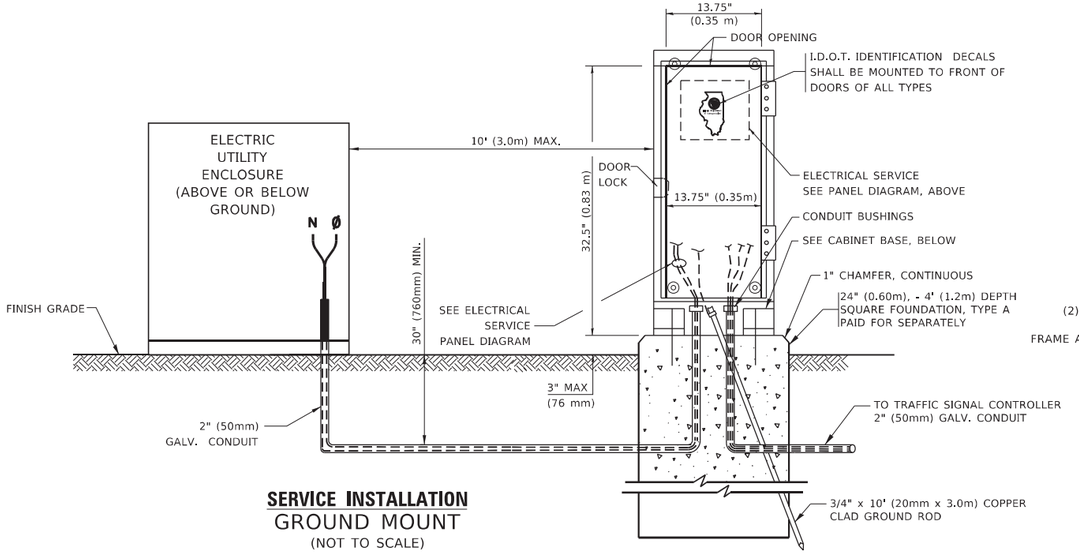
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



SERVICE INSTALLATION GROUND MOUNT

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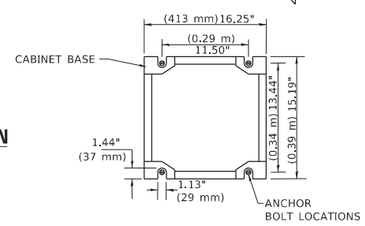
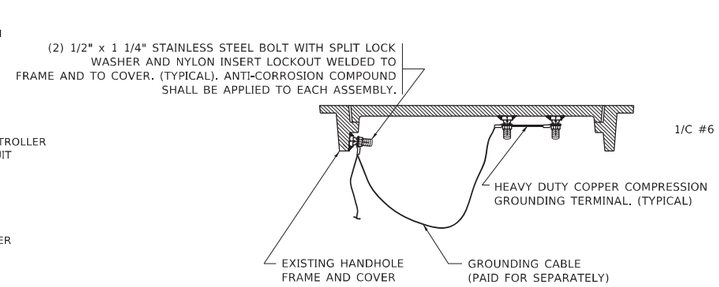


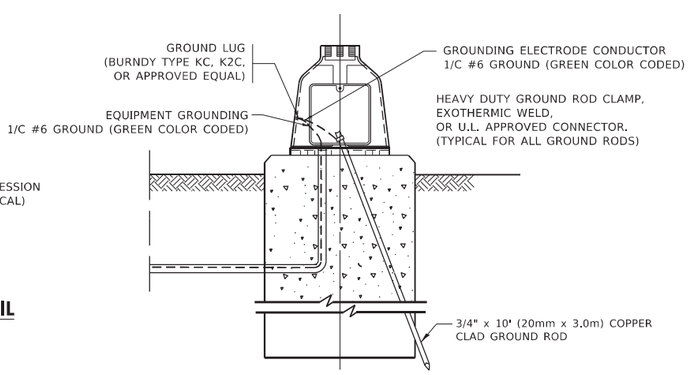
CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. | TO STA.

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	TS–05	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

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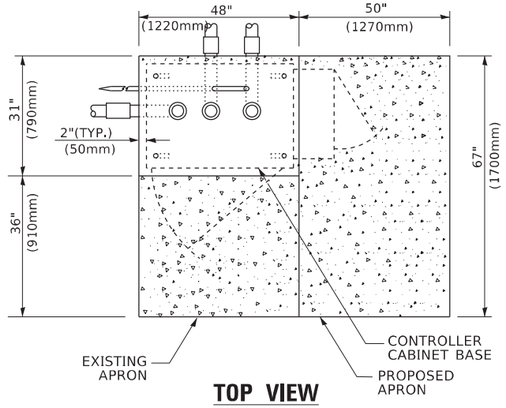
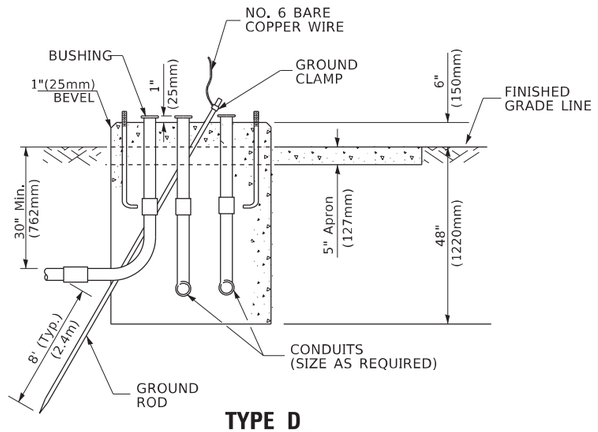
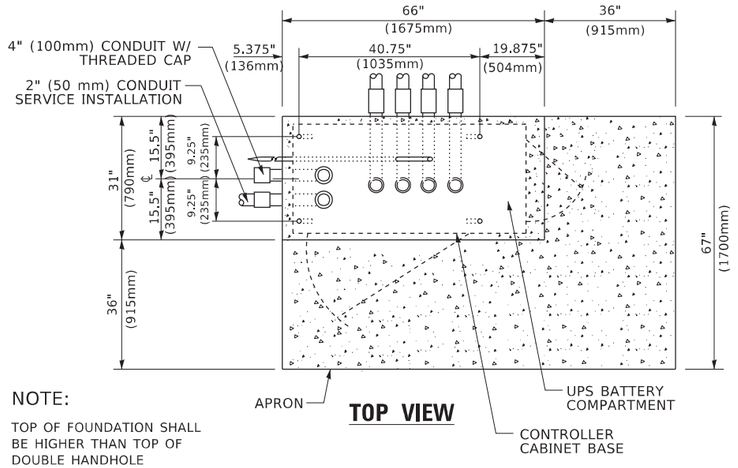


TOP VIEW



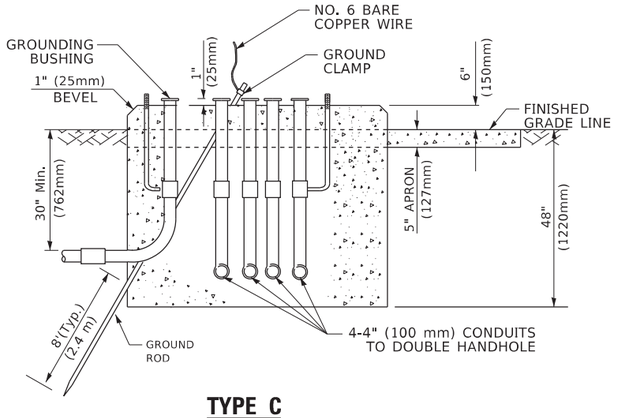
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



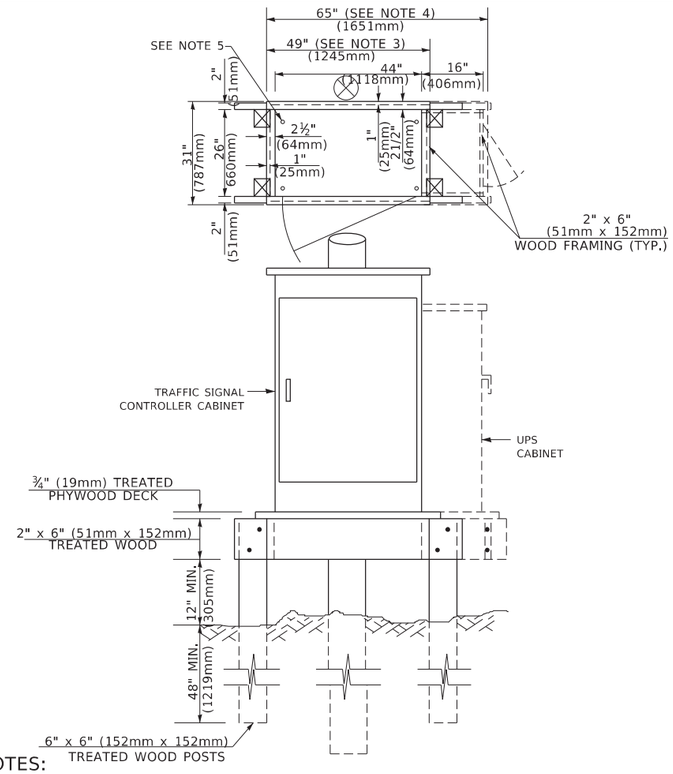
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	53
	TS-05	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

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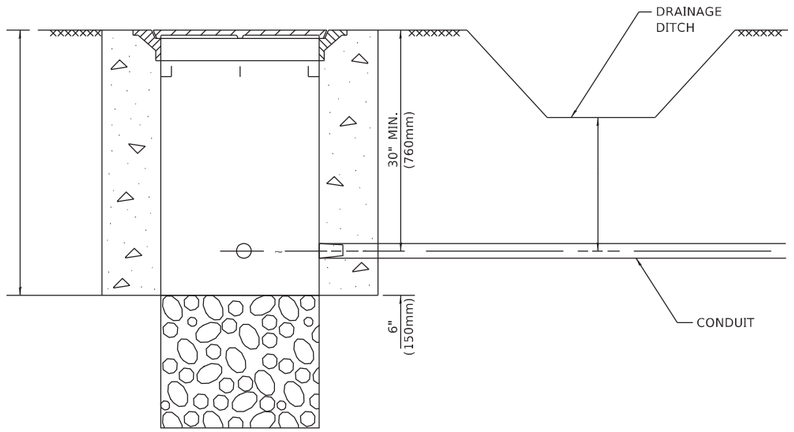
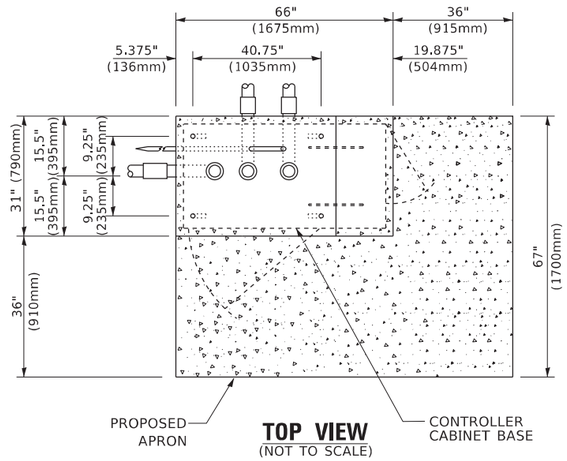


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

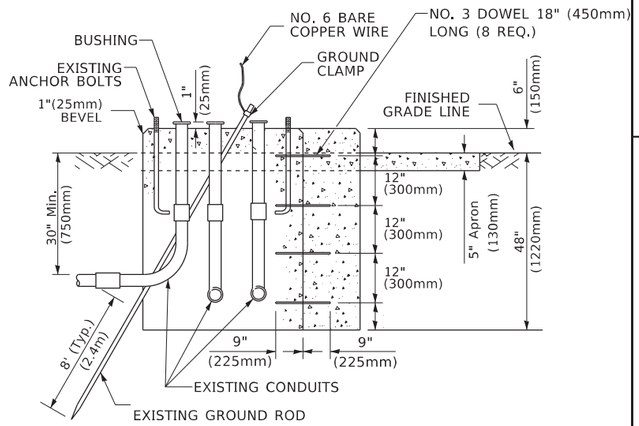
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



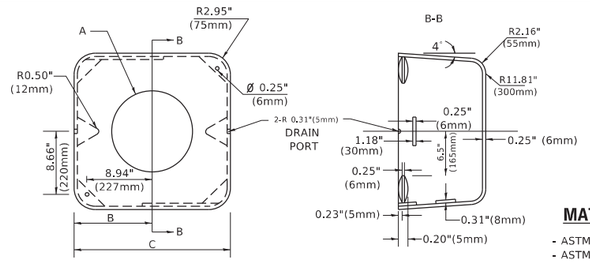
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

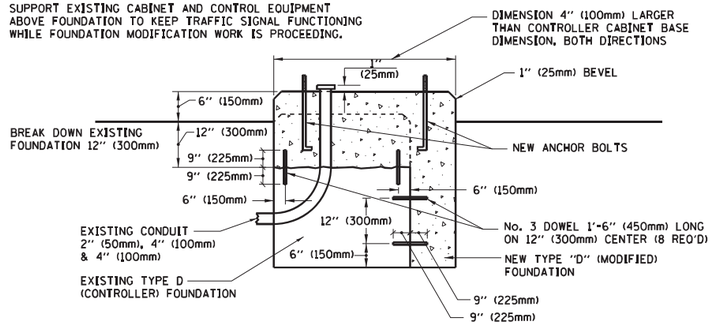
SHROUD

NOTES:

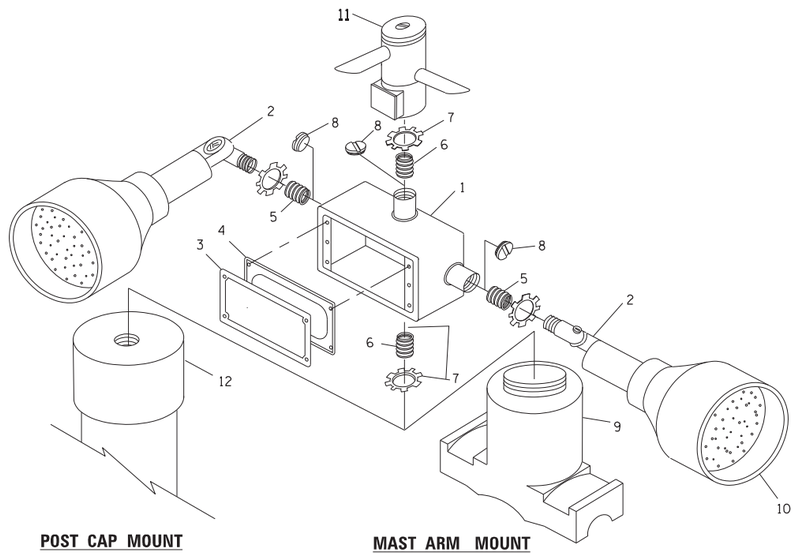
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



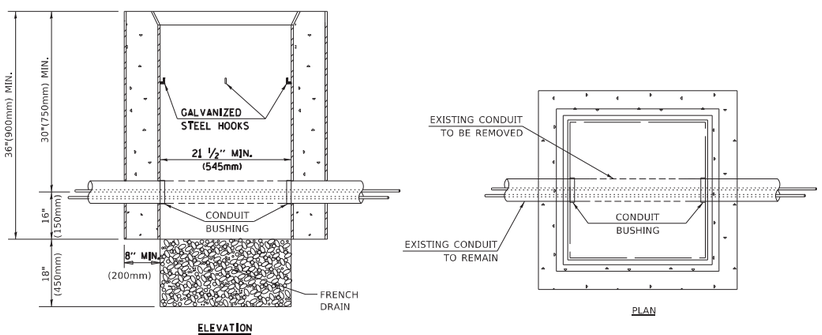
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TS-05	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

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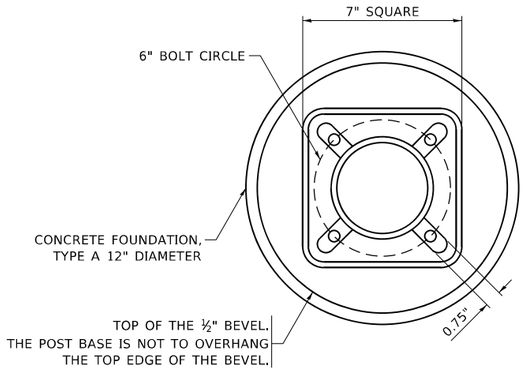
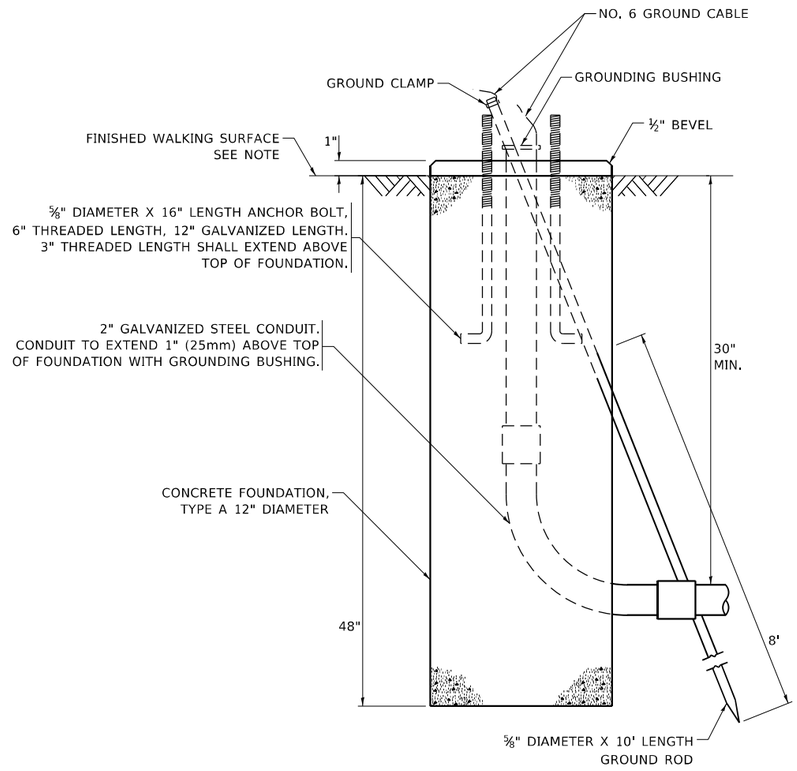


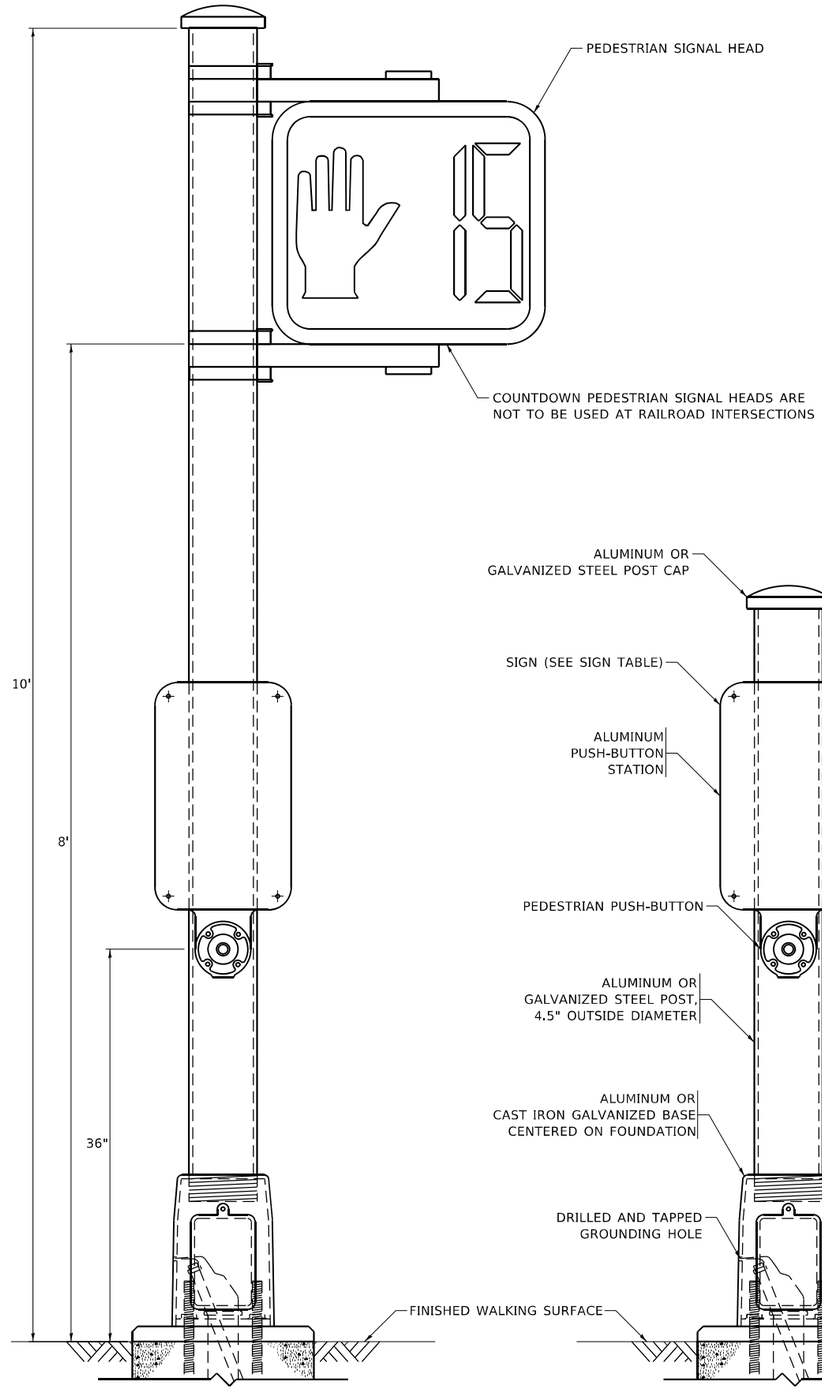
BOLT PATTERN

NOTE:

1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER

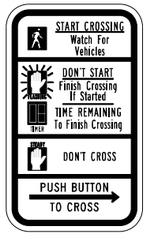


PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.

R10–3b

R10–3d



R10–3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

TS SHT NO. 7

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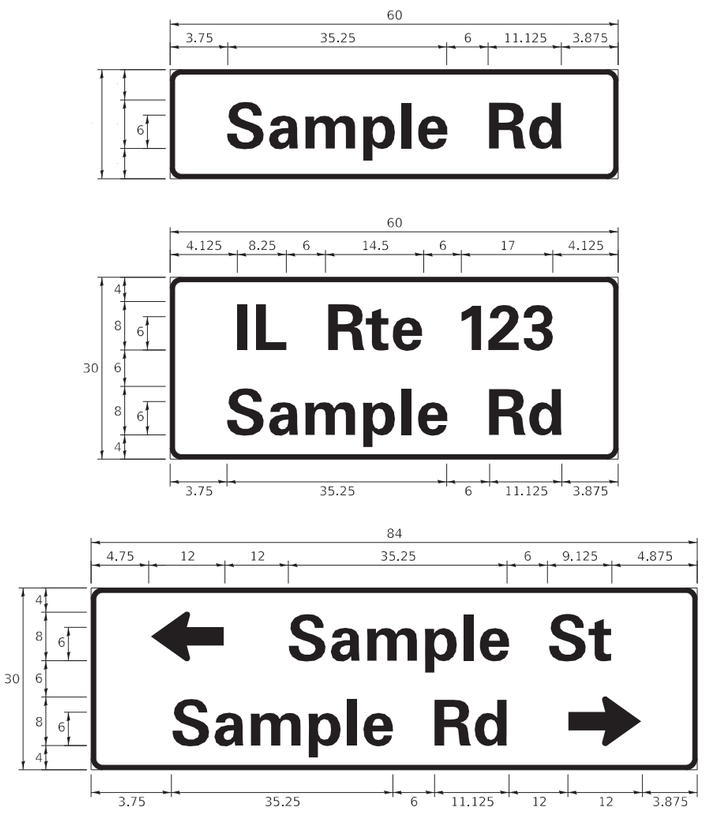
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 7 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	55
	TS–05	CONTRACT NO. 62J30		
		ILLINOIS FED. AID PROJECT		

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

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COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
  MIDLOTHIAN, VA
- WESTERN REMAC, INC.
  WOODRIDGE, IL

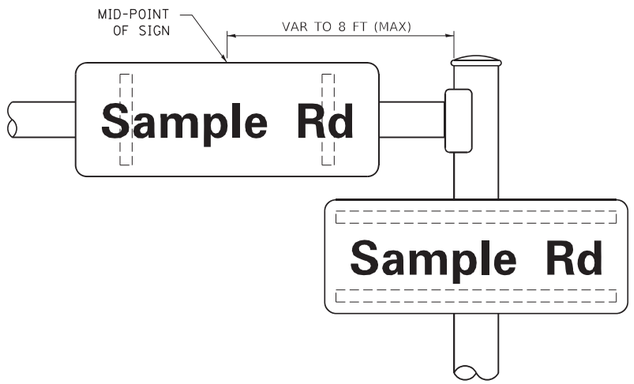
PARTS LISTING:

SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

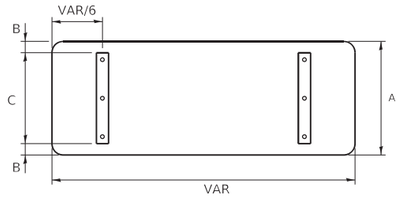
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

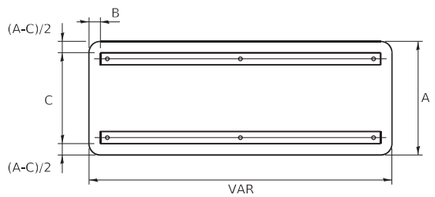
ARM OR POLE MOUNTED



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

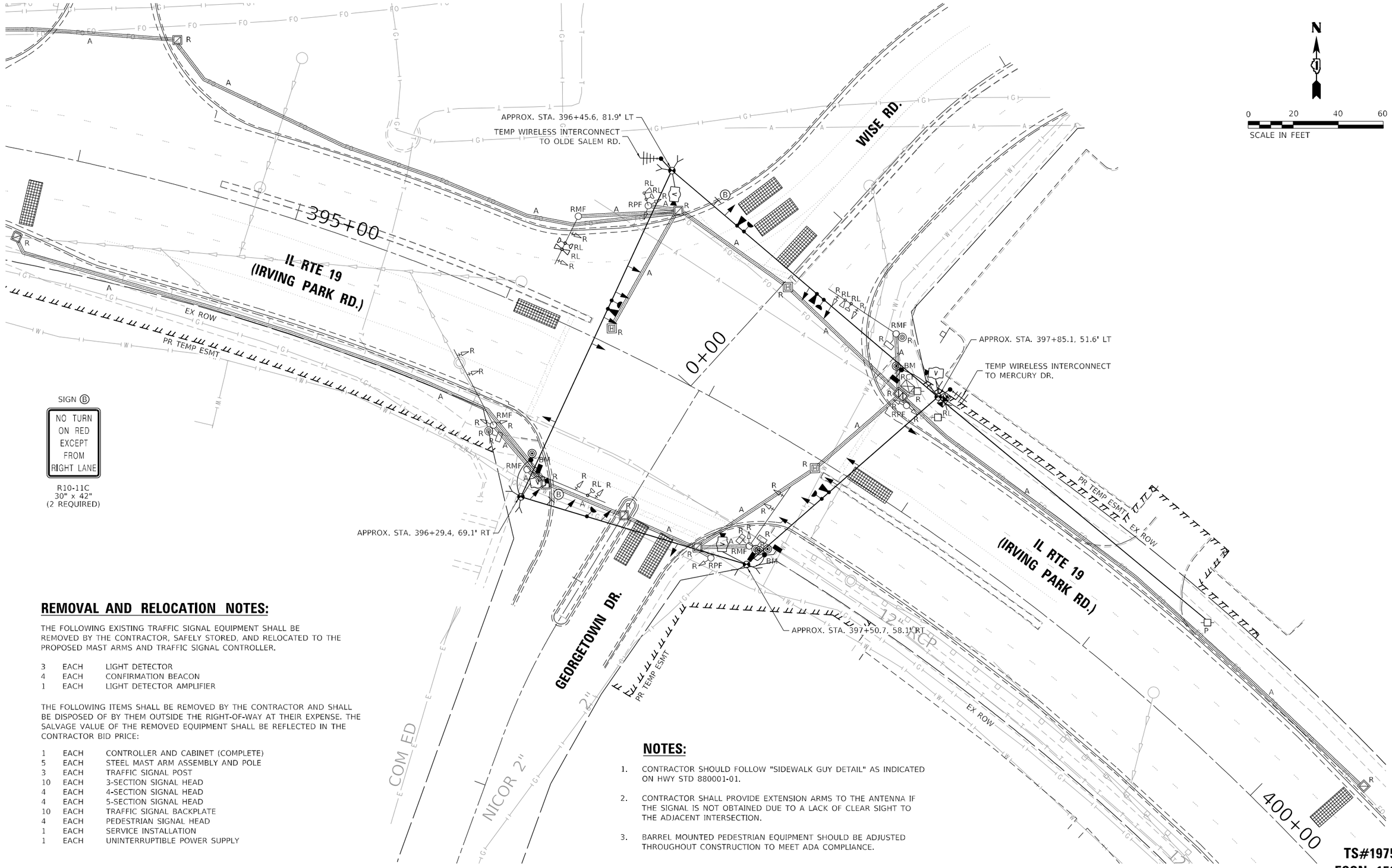
TS SHT NO. 8

MODEL: Default
FILE NAME: pw:\\LOB4EBIDINTEG:illinois.pw:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist1Std22x34\CADData\CADSheets\ts02.dgn

USER NAME = footemj	DESIGNED - LP/IP	REVISED - LP 07/01/2015	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS	
	DRAWN - LP	REVISED -			
PLOT SCALE = 50.0000 ' / in.	CHECKED - IP	REVISED -			
PLOT DATE = 3/4/2019	DATE - 10/01/2014	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	56
	TS-02	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

ts02.dgn 3/4/2019 11:09:17 AM User: footemj



REMOVAL AND RELOCATION NOTES:

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER.

3	EACH	LIGHT DETECTOR
4	EACH	CONFIRMATION BEACON
1	EACH	LIGHT DETECTOR AMPLIFIER

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACTOR BID PRICE:

1	EACH	CONTROLLER AND CABINET (COMPLETE)
5	EACH	STEEL MAST ARM ASSEMBLY AND POLE
3	EACH	TRAFFIC SIGNAL POST
10	EACH	3-SECTION SIGNAL HEAD
4	EACH	4-SECTION SIGNAL HEAD
4	EACH	5-SECTION SIGNAL HEAD
10	EACH	TRAFFIC SIGNAL BACKPLATE
4	EACH	PEDESTRIAN SIGNAL HEAD
1	EACH	SERVICE INSTALLATION
1	EACH	UNINTERRUPTIBLE POWER SUPPLY

NOTES:

1. CONTRACTOR SHOULD FOLLOW "SIDEWALK GUY DETAIL" AS INDICATED ON HWY STD 880001-01.
2. CONTRACTOR SHALL PROVIDE EXTENSION ARMS TO THE ANTENNA IF THE SIGNAL IS NOT OBTAINED DUE TO A LACK OF CLEAR SIGHT TO THE ADJACENT INTERSECTION.
3. BARREL MOUNTED PEDESTRIAN EQUIPMENT SHOULD BE ADJUSTED THROUGHOUT CONSTRUCTION TO MEET ADA COMPLIANCE.

TS#1975
ECON 158

TS SHT NO. 9

MODEL: Default
FILE NAME: \\dc10\Projects\13155\WO19-012.04_CADD\CADD_Sheets\62J30-sh-01_Temp Signal - Pre-Stage.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

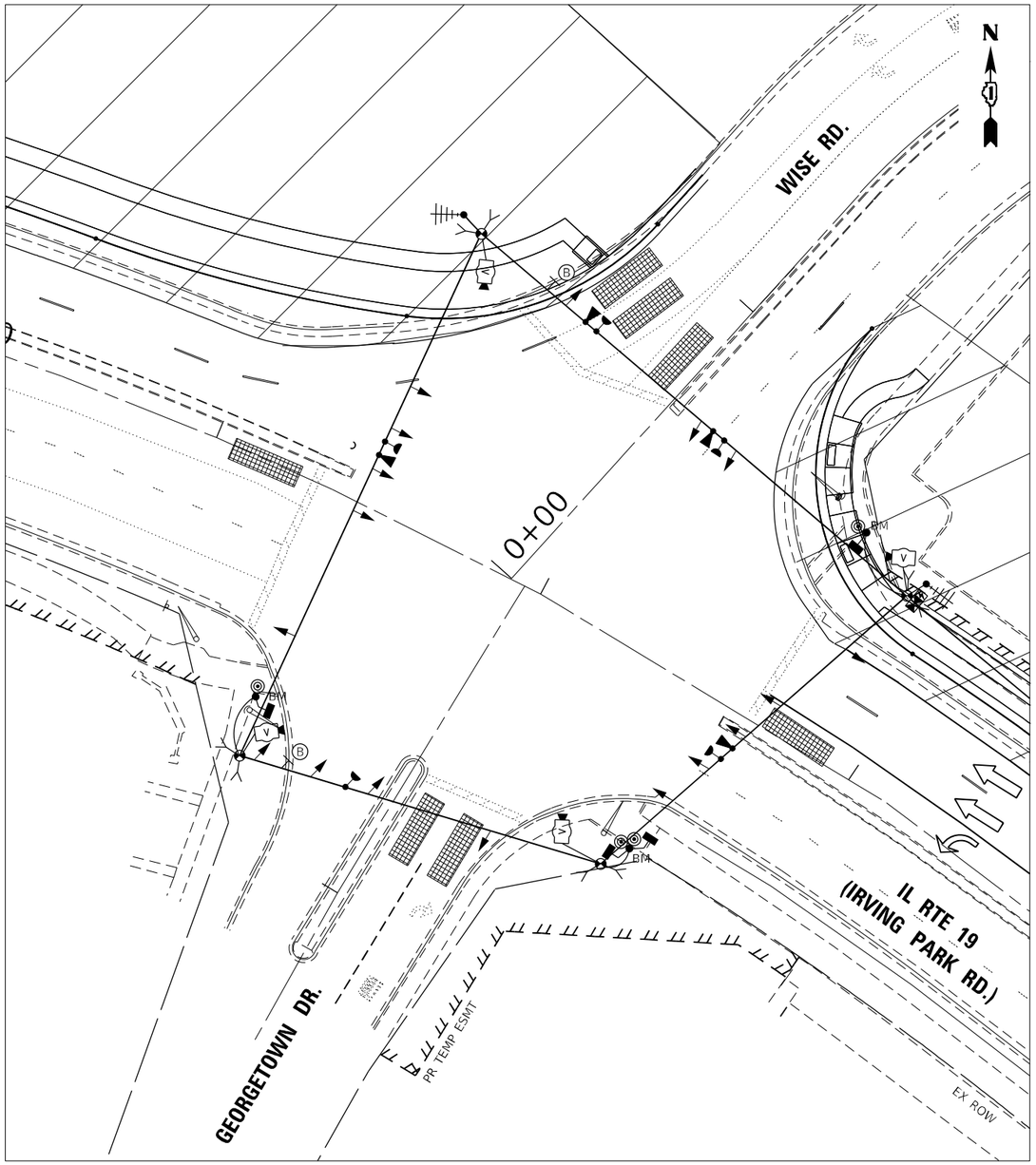
USER NAME = echol	DESIGNED - EEC	REVISED -	
	DRAWN - AA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 2/14/2022	DATE - 02/15/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

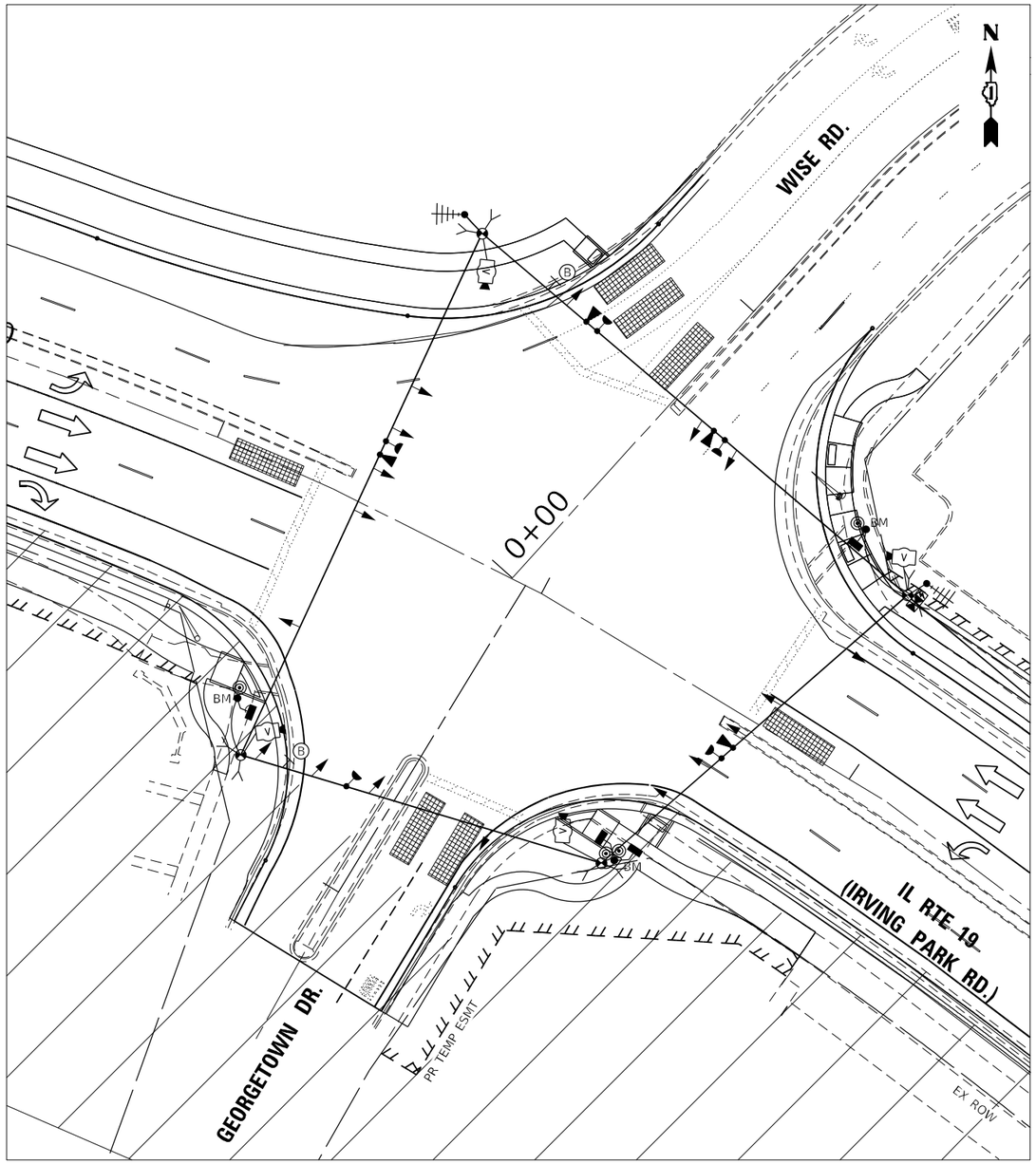
REMOVAL PLAN AND TEMPORARY TRAFFIC SIGNAL INSTALLATION
PRE-STAGE
IL ROUTE 19 AT WISE ROAD

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	57
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	



STAGE 1



STAGE 2

SIGN (B)

NO TURN
ON RED
EXCEPT
FROM
RIGHT LANE

R10-11C
30" x 42"
(2 REQUIRED)

0 20 40 60
SCALE IN FEET

TS#1975
ECON 158

TS SHT NO. 10

MODEL: Default
FILE NAME: \\dc-101\Projects\13155\W019-012.04_CADD\CADD_Sheets\62J30-sh-07_Temp Signal - Stage1&2.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

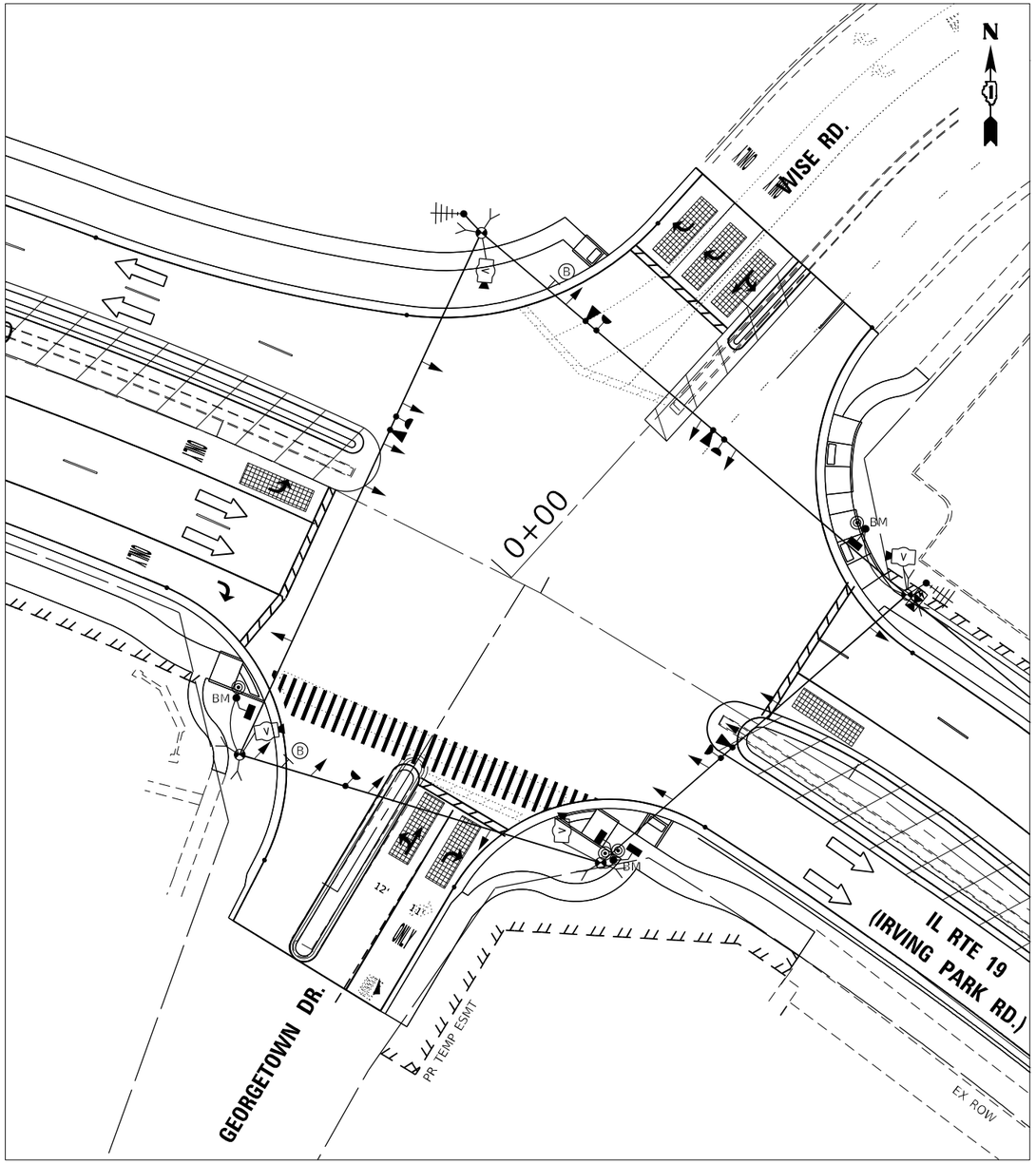
USER NAME = echoi	DESIGNED - EEC	REVISED -
	DRAWN - AA	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MG	REVISED -
PLOT DATE = 2/14/2022	DATE - 02/15/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
STAGE 1 AND STAGE 2
IL ROUTE 19 AT WISE ROAD

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	58
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	

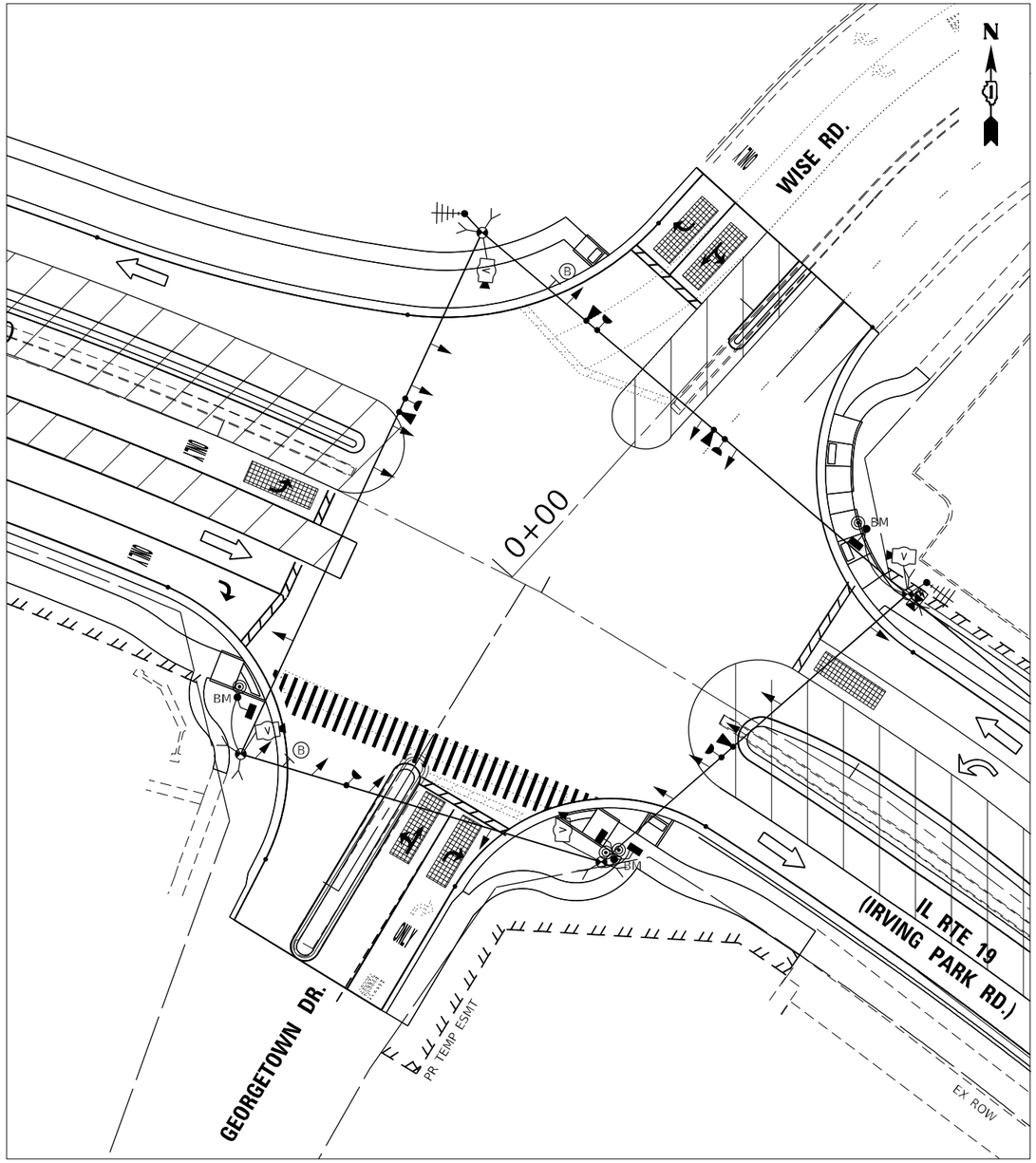


SIGN (B)

NO TURN
ON RED
EXCEPT
FROM
RIGHT LANE

R10-11C
30" x 42"
(2 REQUIRED)

STAGE 3A



STAGE 3B

0 20 40 60
SCALE IN FEET

TS#1975
ECON 158

TS SHT NO. 11

MODEL: Default
FILE NAME: \\dc101\Projects\13155\WO19-012\04_CADD\CADD_Sheets\62J30-Int-03_Temp Signal - Stage3A&3B.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

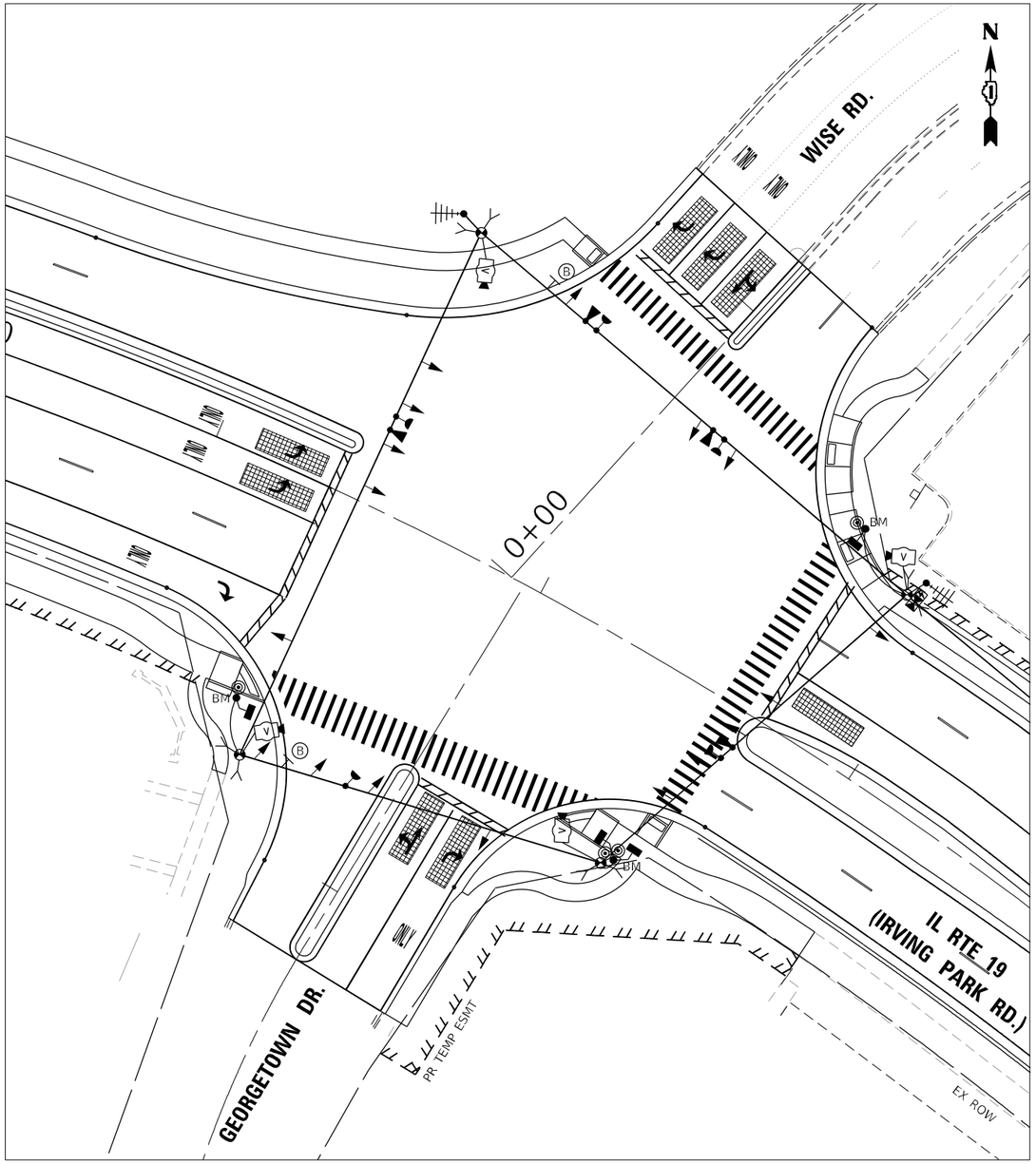
USER NAME = echoi	DESIGNED - EEC	REVISED -	
	DRAWN - AA	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 2/14/2022	DATE - 02/15/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
STAGE 3A AND STAGE 3B
IL ROUTE 19 AT WISE ROAD

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	59
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		



SIGN (B)

NO TURN ON RED EXCEPT FROM RIGHT LANE

R10-11C
30" x 42"
(2 REQUIRED)

POST–STAGE

0 20 40 60
SCALE IN FEET

TS#1975
ECON 158

TS SHT NO. 12

MODEL: Default
FILE NAME: \\dc101\Projects\13155\WO19-012\04_CADD\CADD_Sheets\62J30-Int-04_Temp Signal - Post-Stage.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = echoi	DESIGNED - EEC	REVISED -
	DRAWN - AA	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MG	REVISED -
PLOT DATE = 2/14/2022	DATE - 02/15/2022	REVISED -

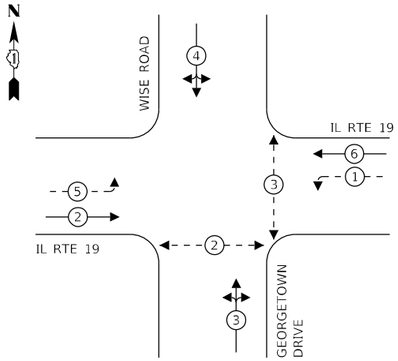
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
POST–STAGE
IL ROUTE 19 AT WISE ROAD

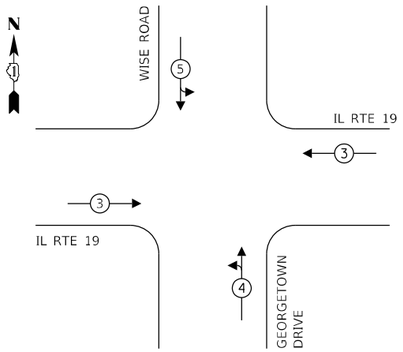
SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	60
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	

TEMPORARY CONTROLLER SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

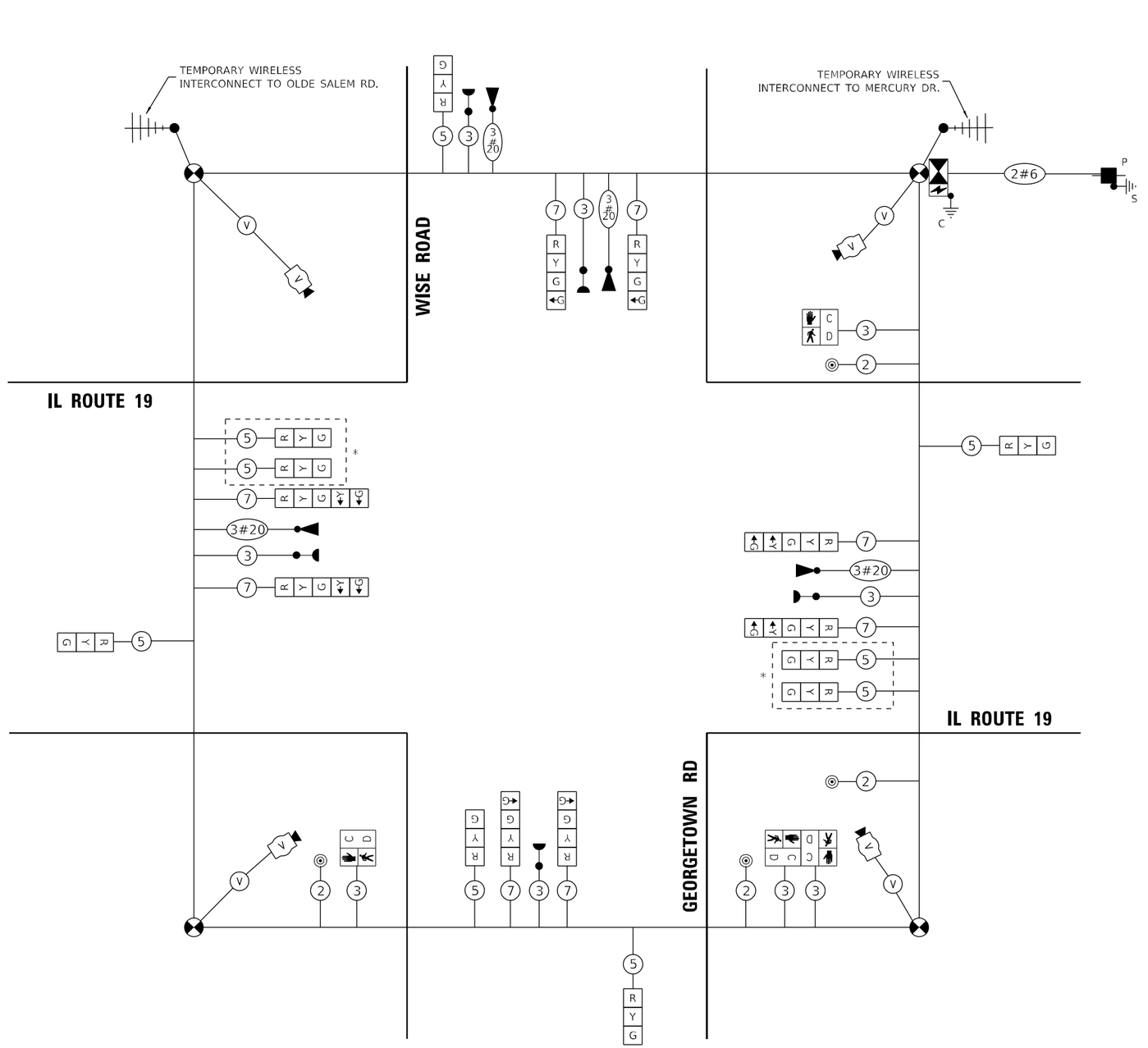
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	17	11	50	93.5
(YELLOW)	17	20	5	17.0
(GREEN)	21	12	45	113.4
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	165	50	-
			TOTAL =	586.9

ENERGY COSTS TO:

VILLAGE OF SCHAUMBURG
101 SCHAUMBURG COURT
SCHAUMBURG, IL 60193

ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMMONWEALTH EDISON
TOWER ACCOUNT NUMBER: 17470-91006



* BAGGED DURING PRE-STAGE, STAGE 1 AND 2

CABLE PLAN
(NOT TO SCALE)

TS#1975
ECON 158

TS SHT NO. 13

MODEL: Default
FILE NAME: \\dc10\Projects\13155\WO19-012\04_CADD\CADD Sheets\62J30-sht-05_Temp Cable Plan.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = echol	DESIGNED - EEC	REVISED -	
	DRAWN - AA	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 2/14/2022	DATE - 02/15/2022	REVISED -	

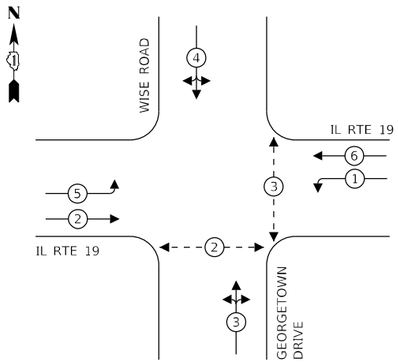
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE – PRE–STAGE, STAGE 1 & 2
IL ROUTE 19 AT WISE ROAD

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	61
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	

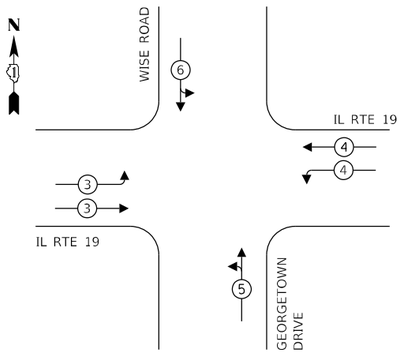
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



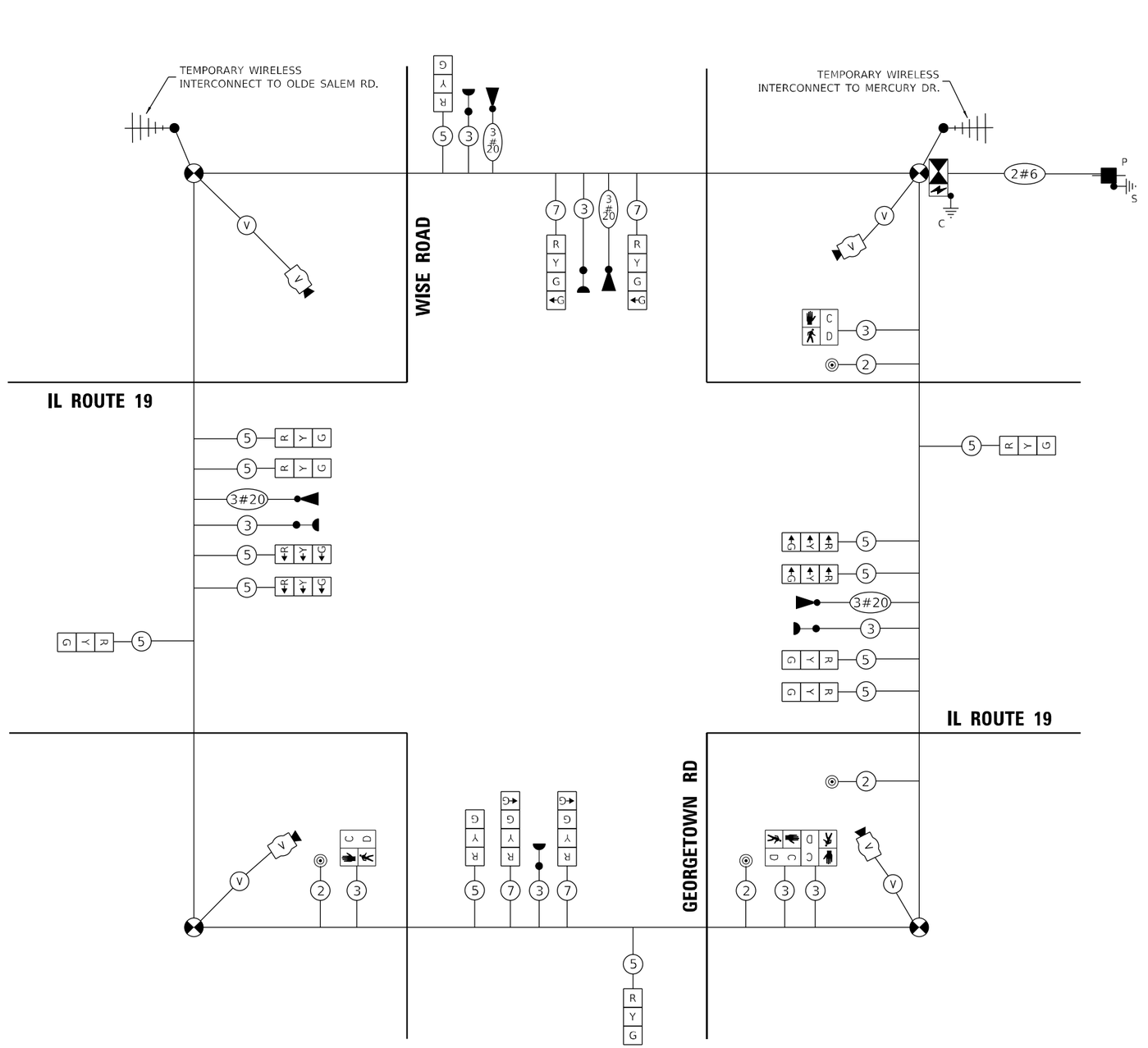
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	17	11	50	93.5
(YELLOW)	17	20	5	17.0
(GREEN)	21	12	45	113.4
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	165	50	-
			TOTAL =	578.9

ENERGY COSTS TO:

VILLAGE OF SCHAUMBURG
101 SCHAUMBURG COURT
SCHAUMBURG, IL 60193

ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMMONWEALTH EDISON
TOWER ACCOUNT NUMBER: 17470-91006



CABLE PLAN
(NOT TO SCALE)

TS#1975
ECON 158

TS SHT NO. 14

MODEL: Default
FILE NAME: \\dc-101\Projects\13155\WO19-0120A_CAD\DCADD_Sheets\62J30-sht-06_Temp Cable Plan.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = echoi	DESIGNED - EEC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - AA	REVISED -	
	PLOT SCALE = 2.0000 ' / in.	CHECKED - MG	REVISED -	
	PLOT DATE = 2/14/2022	DATE - 02/15/2022	REVISED -	

TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE – STAGE 3A, 3B, & POST–STAGE IL ROUTE 19 AT WISE ROAD

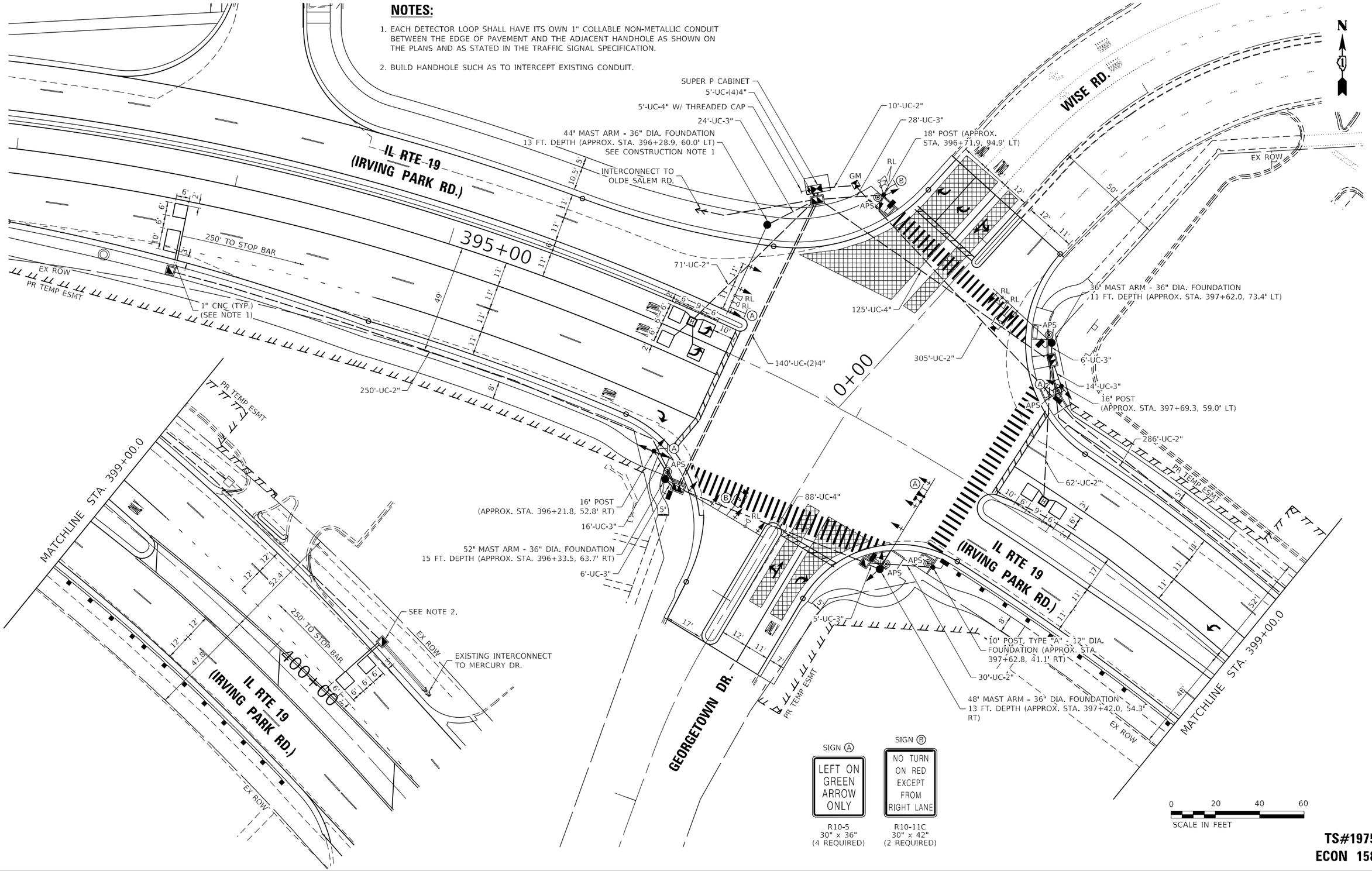
SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	62
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	

NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COLLABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.

2. BUILD HANDHOLE SUCH AS TO INTERCEPT EXISTING CONDUIT.



SIGN (A)

LEFT ON GREEN ARROW ONLY

R10-5
30" x 36"
(4 REQUIRED)

SIGN (B)

NO TURN ON RED EXCEPT FROM RIGHT LANE

R10-11C
30" x 42"
(2 REQUIRED)

TS#1975
ECON 158

TS SHT NO. 15

MODEL: Default
FILE NAME: \\dc10\UProjects\13155\WO19-01\04_CAD\CADD_Sheets\62J30-sht-07 Proposed Signal.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = echoi	DESIGNED - EEC	REVISED -
	DRAWN - AA	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MG	REVISED -
PLOT DATE = 6/3/2022	DATE - 05/27/2022	REVISED -

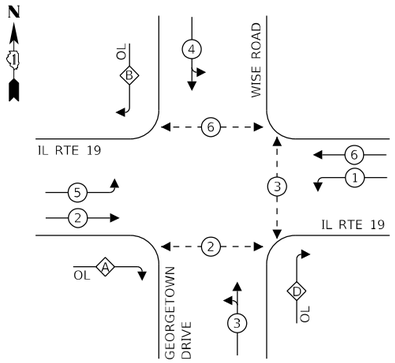
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
IL ROUTE 19 AT WISE ROAD

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	63
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

PROPOSED CONTROLLER SEQUENCE



LEGEND:

PROTECTED PHASE

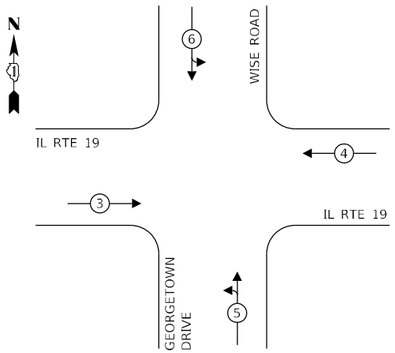
PROTECTED/PERMITTED PHASE

PEDESTRIAN PHASE

OL OVERLAP

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTIVE PHASE
A	=	2	+	3
B	=	4	+	5
D	=	3	+	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



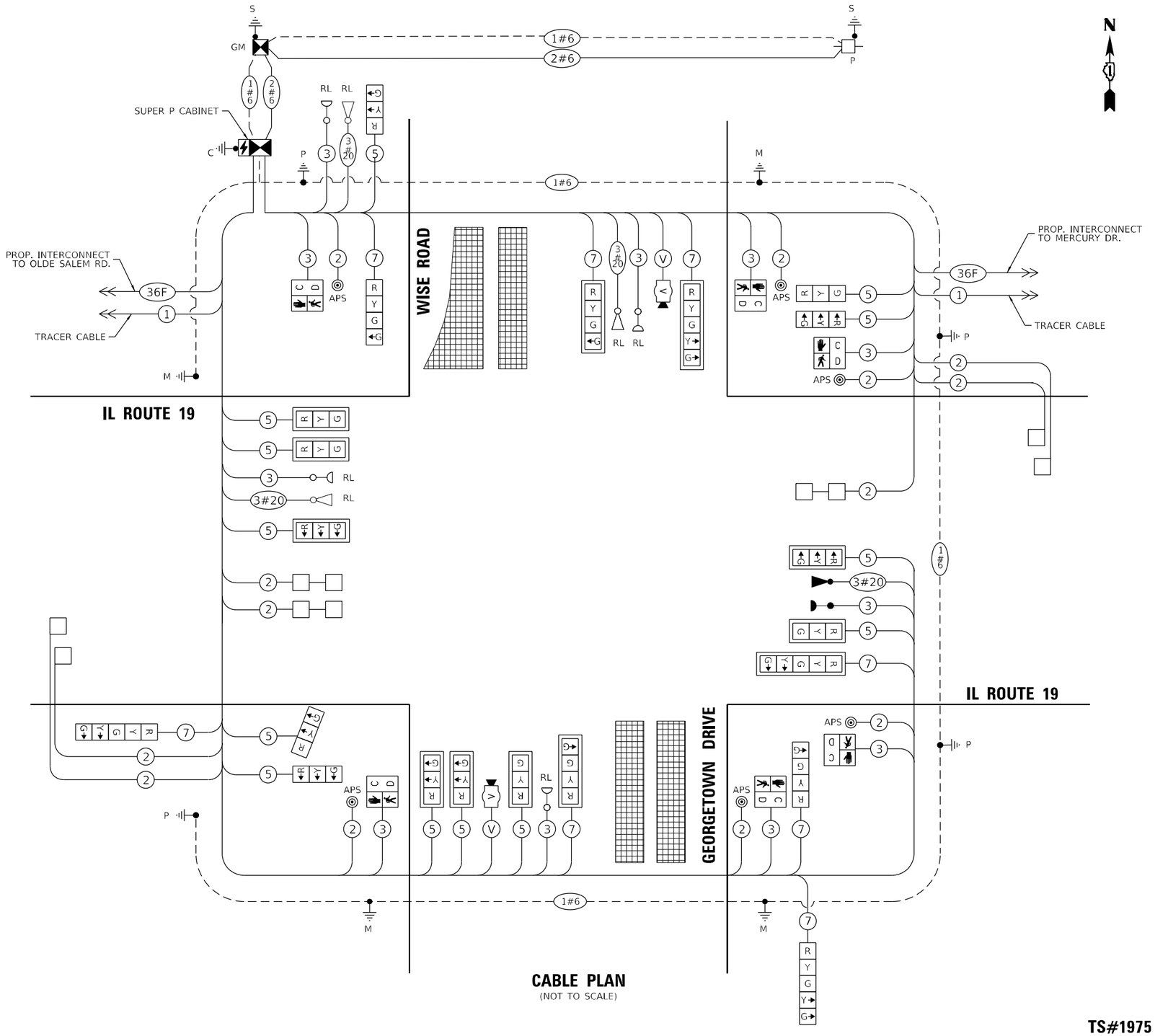
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	21	11	50	115.5
(YELLOW)	21	20	5	21.0
(GREEN)	25	12	45	135.0
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	2	150	100	300.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	165	50	-
			TOTAL =	824.5

ENERGY COSTS TO:

VILLAGE OF SCHAUMBURG
101 SCHAUMBURG COURT
SCHAUMBURG, IL 60193

ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMMONWEALTH EDISON
TOWER ACCOUNT NUMBER: 17470-91006



CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 16

TS#1975
ECON 158

MODEL: Default
FILE NAME: \\dc10\Projects\13SSWO19-012\04_CADD\CADD Sheets\6213c-ht-08 Proposed Cable 4h.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = echoi	DESIGNED - EEC	REVISED -
		DRAWN - AA	REVISED -
	PLOT SCALE = 2.0000 ' / in.	CHECKED - MG	REVISED -
	PLOT DATE = 2/14/2022	DATE - 02/15/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

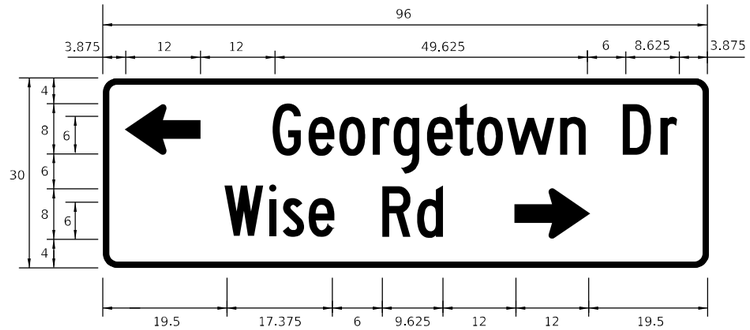
CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 19 AND WISE ROAD

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

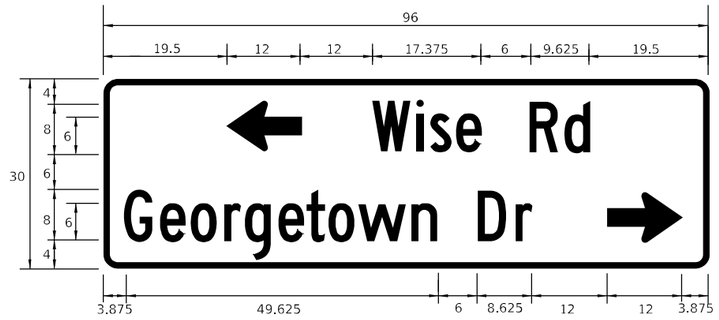
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	64
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		

SIGN PANEL – TYPE 2

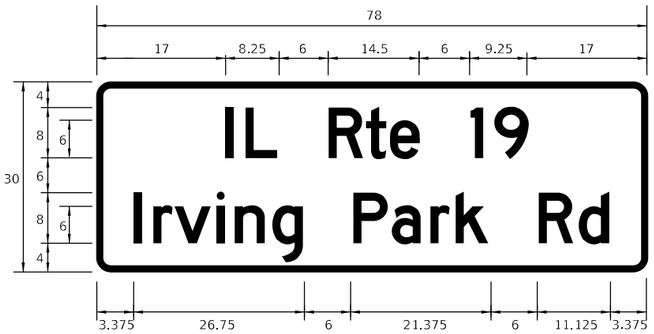
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	20	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	20	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	16.25	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	SIGN PANEL - TYPE 1	SQ FT	48
	SIGN PANEL - TYPE 2	SQ FT	73
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1014
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	99
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	518
	HANDHOLE	EACH	3
	HEAVY-DUTY HANDHOLE	EACH	2
	DOUBLE HANDHOLE	EACH	3
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1220
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2240
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2470
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1890
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2220
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	320
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1000
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	16
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
	INDUCTIVE LOOP DETECTOR	EACH	7
	DETECTOR LOOP, TYPE I	FOOT	300
*	LIGHT DETECTOR	EACH	1
*	LIGHT DETECTOR AMPLIFIER	EACH	1
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	L SUM	1
	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	3
	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	9
	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	740
	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO THE VILLAGE OF SCHAUMBURG

TS SHT NO. 17

TS#1975
ECON 158

MODEL: Default
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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

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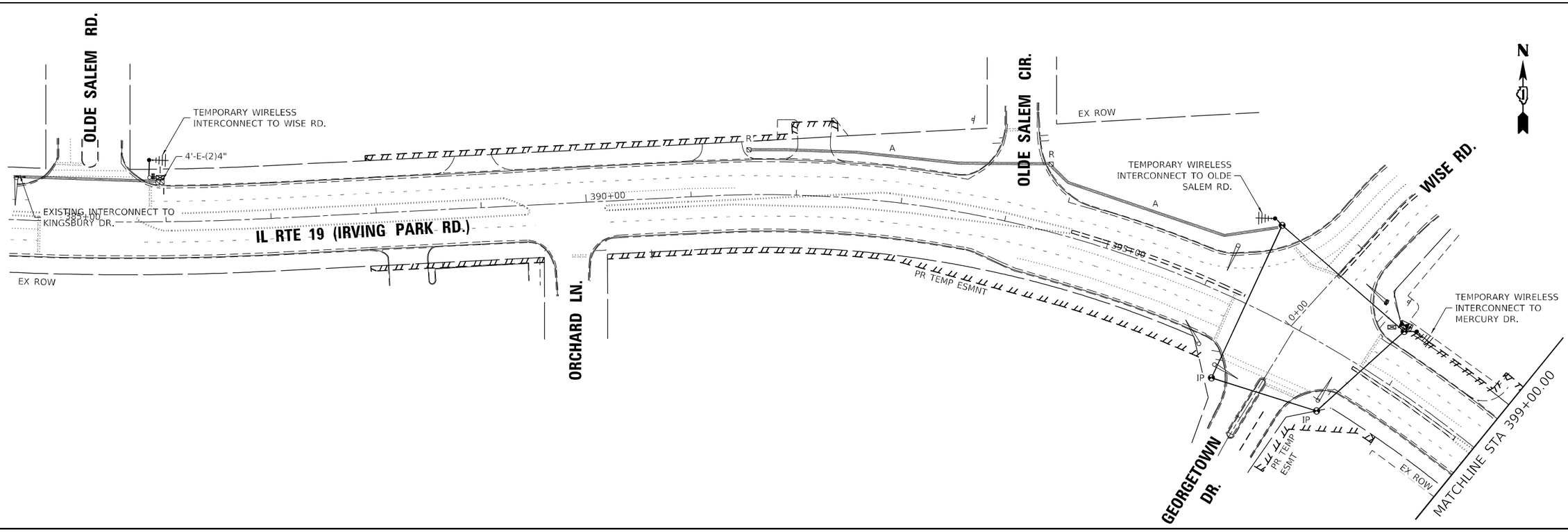
	DRAWN - AA	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 2/14/2022	DATE - 02/15/2022	REVISED -	

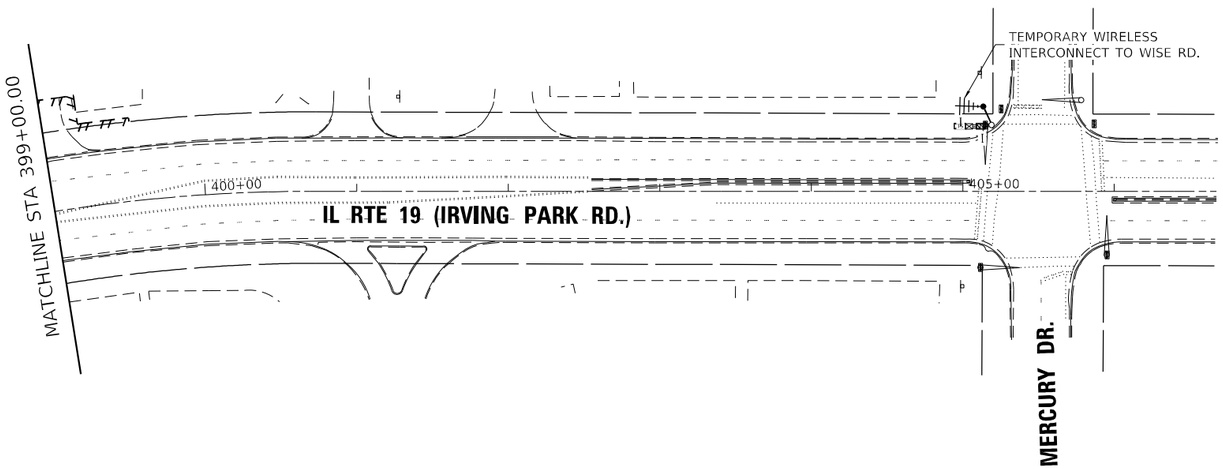
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES
IL ROUTE 19 AND WISE ROAD

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	65
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			





0 50 100 150
SCALE IN FEET

ECON 158

TS SHT NO. 18

MODEL: Default
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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

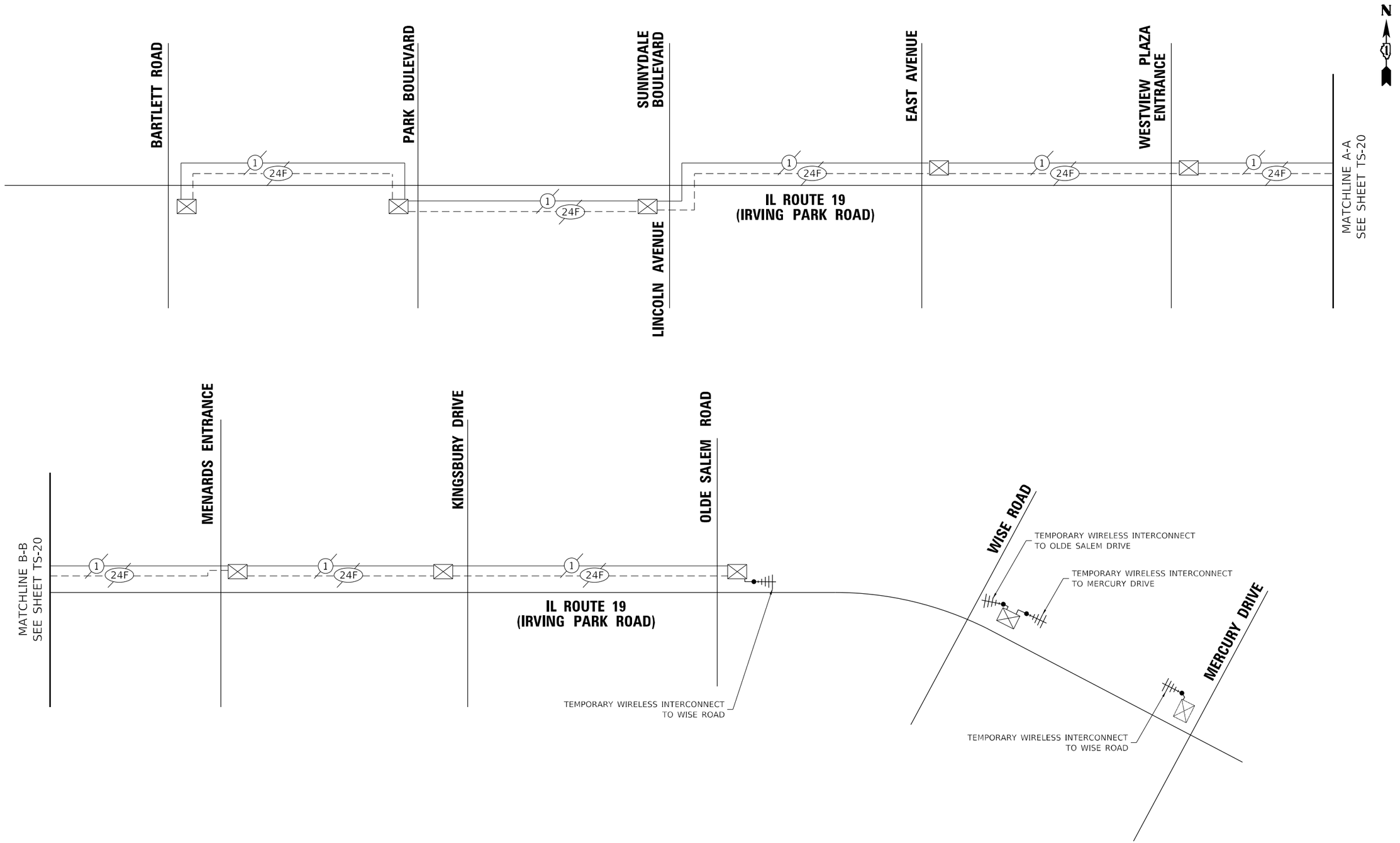
USER NAME = echoi	DESIGNED - EEC	REVISED -	
	DRAWN - AA	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 2/14/2022	DATE - 02/15/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN
IL ROUTE 19 FROM OLD SALEM ROAD TO MERCURY DRIVE

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	66
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	



TS SHT NO. 19

ECON 158

MODEL: Default
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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = echoi	DESIGNED - EEC	REVISED -
	DRAWN - AA	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - MG	REVISED -
PLOT DATE = 2/14/2022	DATE - 02/15/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

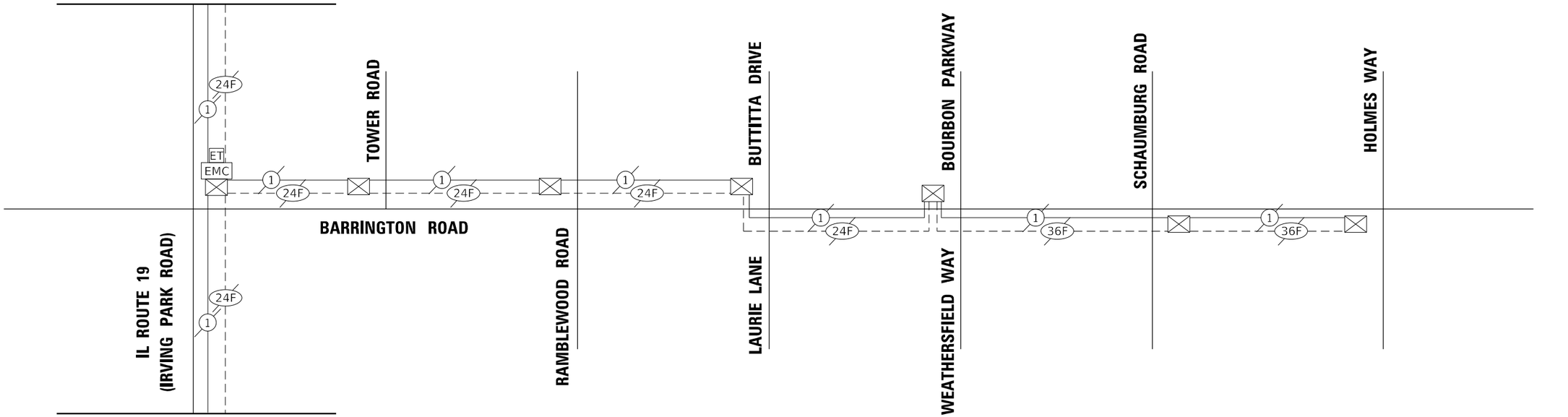
TEMPORARY INTERCONNECT SCHEMATICS (SHEET 1 OF 2)
IL ROUTE 19 FROM BARTLETT ROAD TO MERCURY DRIVE

SCALE: NTS | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	67
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	

N

MATCHLINE A-A
SEE SHEET TS-19



MATCHLINE B-B
SEE SHEET TS-19

TS SHT NO. 20

ECON 158

MODEL: Default
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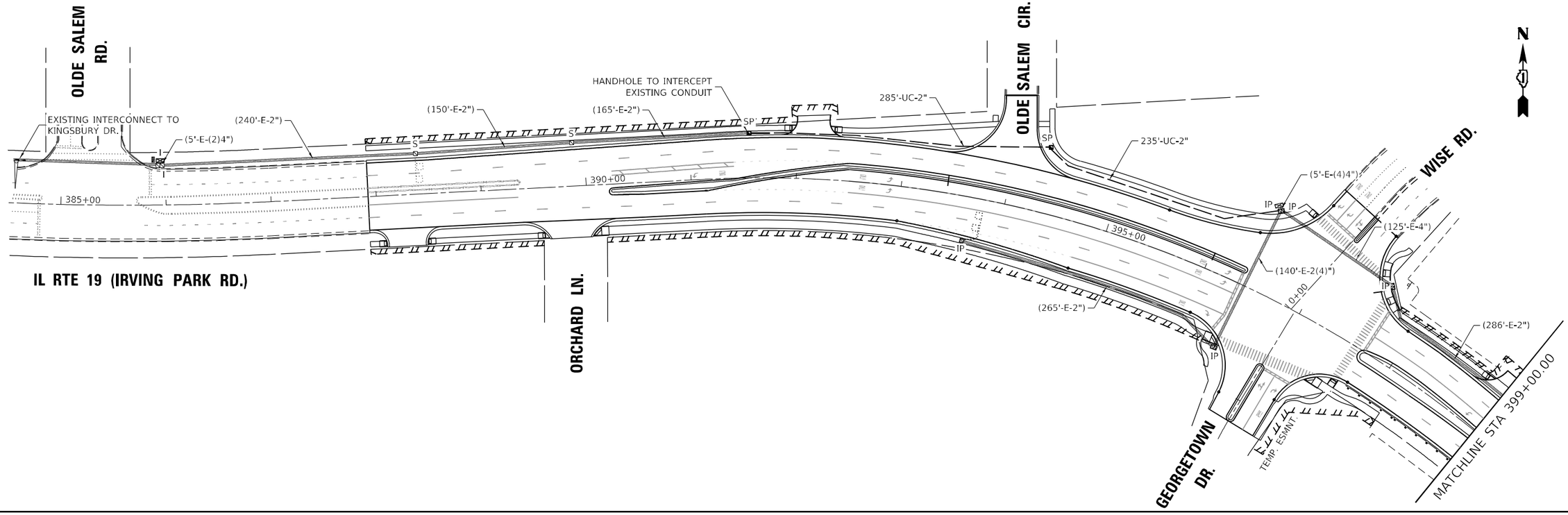
SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = echol	DESIGNED - EEC	REVISED -
		DRAWN - AA	REVISED -
	PLOT SCALE = 2.0000 ' / in.	CHECKED - MG	REVISED -
	PLOT DATE = 2/14/2022	DATE - 02/15/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATICS (SHEET 2 OF 2)
IL ROUTE 19 FROM BARTLETT ROAD TO MERCURY DRIVE

SCALE: NTS | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	68
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		



TS SHT NO. 21

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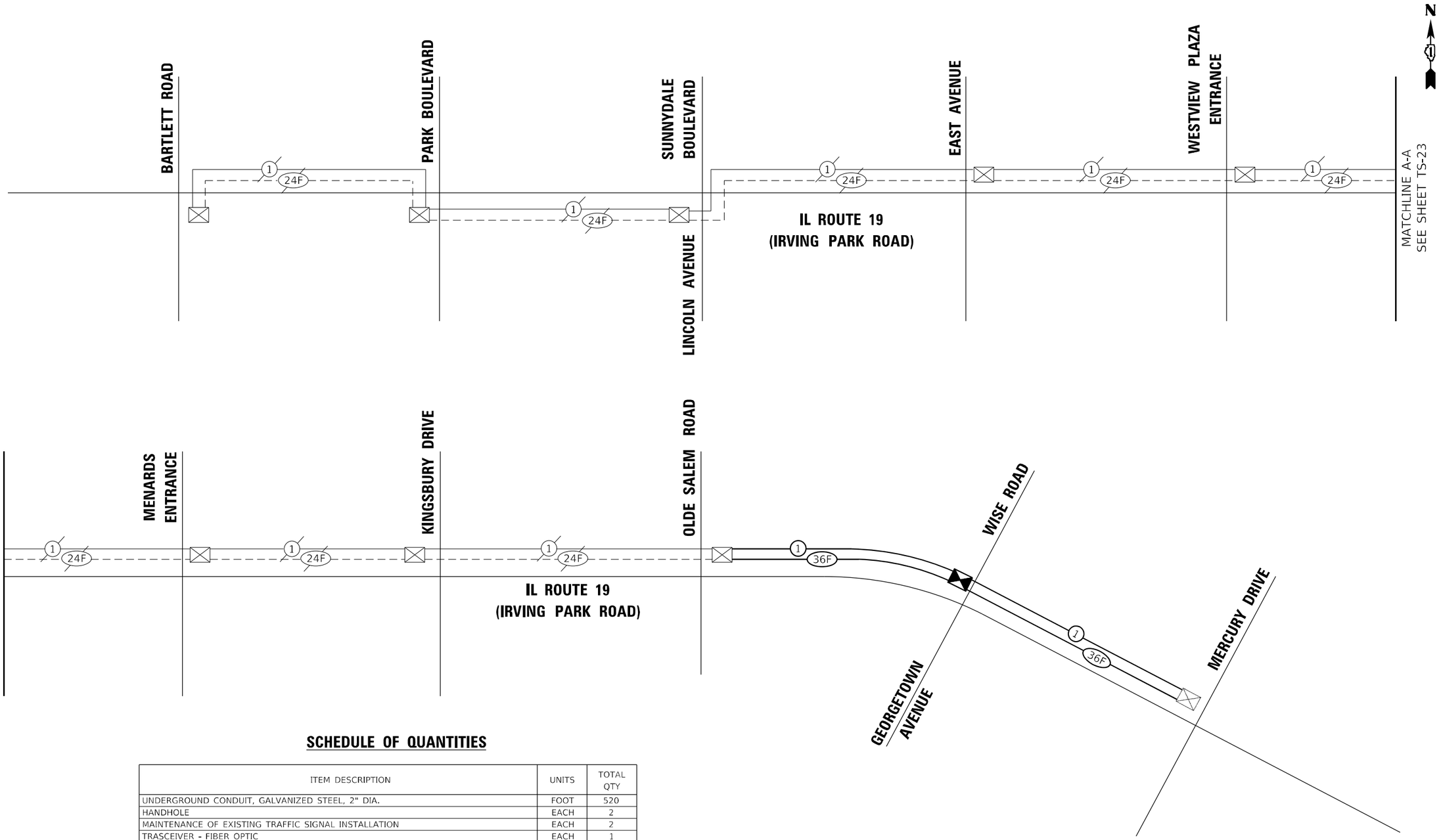
SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = echoi	DESIGNED - EEC	REVISED -
		DRAWN - AA	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MG	REVISED -
	PLOT DATE = 2/14/2022	DATE - 02/15/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
IL ROUTE 19 FROM OLD SALEM ROAD TO MERCURY DRIVE

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	69
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	



SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	520
	HANDHOLE	EACH	2
	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
	TRASCEIVER - FIBER OPTIC	EACH	1
	ELECTRICAL CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2100
	REMOVE ELECTRICAL CABLE FROM CODNUIT	FOOT	2200
	REMOVE EXISTING HANDHOLE	EACH	2
*	ROD AND CLEAN EXISTING CONDUIT	FOOT	785
	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F SM24F	FOOT	2100
	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

* NOMINAL QAUNTITY TO BE USED AS NEEDED AND AS APPROVED BY THE ENGINEER

TS SHT NO. 22

ECON 158

MODEL: Default
FILE NAME: \\dc10\Projects\13SSIWO19-012\04_CADD\CADD_Sheets\6213b-tht-14 Proposed Interconnect Schematic.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

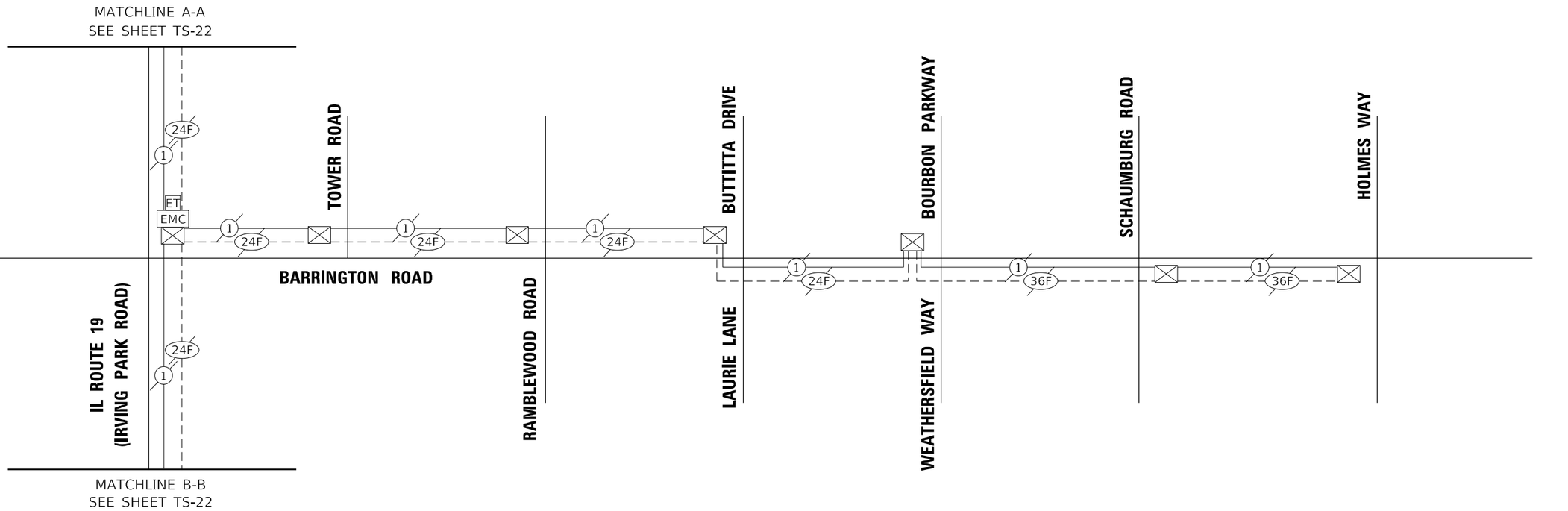
USER NAME = echoi	DESIGNED - EEC	REVISED -
	DRAWN - AA	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - MG	REVISED -
PLOT DATE = 2/14/2022	DATE - 02/15/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT SCHEMATICS (SHEET 1 OF 2)
IL ROUTE 19 FROM BARTLETT ROAD TO MERCURY DRIVE

SCALE: NTS | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	70
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		



TS SHT NO. 23

ECON 158

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = echol	DESIGNED - EEC	REVISED -	
	DRAWN - AA	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - MG	REVISED -	
PLOT DATE = 2/14/2022	DATE - 02/15/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT SCHEMATICS (SHEET 2 OF 2)
IL ROUTE 19 FROM BARTLETT ROAD TO MERCURY DRIVE

SCALE: NTS | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	71
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	

LIGHTING AND ELECTRICAL LEGEND

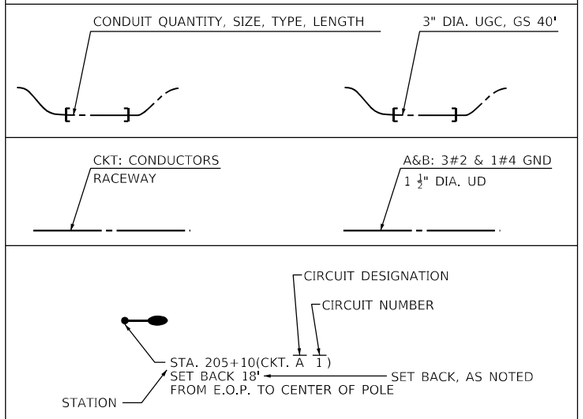
SYMBOL	DESCRIPTION
	SCHAUMBURG EXISTING LIGHTING UNIT TO BE REMOVED AND RELOCATED
	SCHAUMBURG PROPOSED LIGHTING UNIT MOUNTED ON BREAKAWAY DEVICE METAL FOUNDATION, 47.5 FT M.H. U.N.O., 10 FT MAST ARM, LUMINAIRE TO BE 224W LED, HORIZONTAL MOUNT, (240 VAC) U.N.O.
T	TEMPORARY LIGHTING UNIT, 60FT WOOD POLE, 50 FT M.H., 15-FT MAST ARM, LED LUMINAIRE, ROADWAY, OUTPUT DESIGNATION H
	SCHAUMBURG EXISTING LIGHTING UNIT TO REMAIN
RL	SCHAUMBURG RELOCATED LIGHTING UNIT ON PROPOSED BREAKAWAY DEVICE METAL FOUNDATION
	PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED
	PROPOSED UNIT DUCT IN UNDERGROUND CONDUIT, SIZE AND TYPE AS NOTED
E E	EXISTING UNDERGROUND UNIT DUCT TO BE REMOVED OR ABANDONED IN PLACE
	EXISTING UNDERGROUND UNIT DUCT TO REMAIN

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
ATS	ATTACHED TO STRUCTURE
B.O.C.	BACK OF CURB
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
COMED	COMMONWEALTH EDISON COMPANY
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
EX.	EXISTING
ECA	ELECTRIC CABLE ASSEMBLY
EIS	EMBEDDED IN STRUCTURE
E.O.P.	EDGE OF PAVEMENT
F.O.C.	FACE OF CURB
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LED	LIGHT EMITTING DIODE
LP	LIGHT POLE
M	METER
MA	MAST ARM
MC	MULTI-CONDUCTOR
MM	MILLIMETER
M.H.	MOUNTING HEIGHT
MW	MESSENGER WIRE
NESC	NATIONAL ELECRIC SAFETY CODE
NO. #	NUMBER
N.T.S.	NOT TO SCALE
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC RGC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T/F	TOP OF FOUNDATION
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUCT, GALVANIZED STEEL
VAC	VOLTS, ALTERNATING CURRENT
W	WATTS
WP	WOOD POLE
XFMR	TRANSFORMER
HPS	HIGH PRESSURE SODIUM
LPS	LOW PRESSURE SODIUM
LTFM	LIQUID TIGHT FLEXIBLE METALLIC

CALL–OUT SAMPLE

DEFINITION AND EXAMPLE



PROPOSED LIGHTING UNIT

GENERAL NOTES

1. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL CONTACT MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE VILLAGE OF SCHAUMBURG ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES 847-895-7100.

IDOT–D1 STANDARD DETAILS:

STANDARD NO.	TITLE
BE-305	LIGHT POLE FOUNDATION, METAL
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-800	TEMPORARY LIGHT POLE DETAILS
BE-801	TEMPORARY AERIAL CABLE INSTALLATION

INDEX OF DRAWINGS:

DRAWING NO.	TITLE
LT-01	LIGHTING LEGEND, GENERAL NOTES AND SCHEDULE OF QUANTITIES
LT-02	REMOVAL AND TEMPORARY LIGHTING PLAN
LT-03	PROPOSED LIGHTING PLAN
LT-04	LIGHTING CONTROLLER WIRING DIAGRAM
LT-05 TO 07	IDOT BE-DISTRICT ONE STANDARD DETAILS
LT-08	LIGHTING CONTROLLER DETAIL
LT-09 TO 10	SCHAUMBURG ARTERIAL LIGHTING DETAIL

ITEM	UNIT	TOTAL QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	491
UNIT DUCT, 600V, 3-1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2,076
AERIAL CABLE, 3-1/C NO. 6 WITH MESSENGER WIRE	FOOT	650
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	9
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	3
LIGHT POLE, WOOD, 60 FT., CLASS 4, WITH 15 FT. MAST ARM	EACH	4
LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8"	EACH	10
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	10
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	7
REMOVAL OF POLE FOUNDATION	EACH	7
RELOCATE EXISTING LIGHTING UNIT	EACH	7
LUMINAIRE, TYPE A(SPECIAL)	EACH	3
TEMPORARY MAST ARM, ALUMINUM, 15 FT.	EACH	5
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	3
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6

MODEL: Default
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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

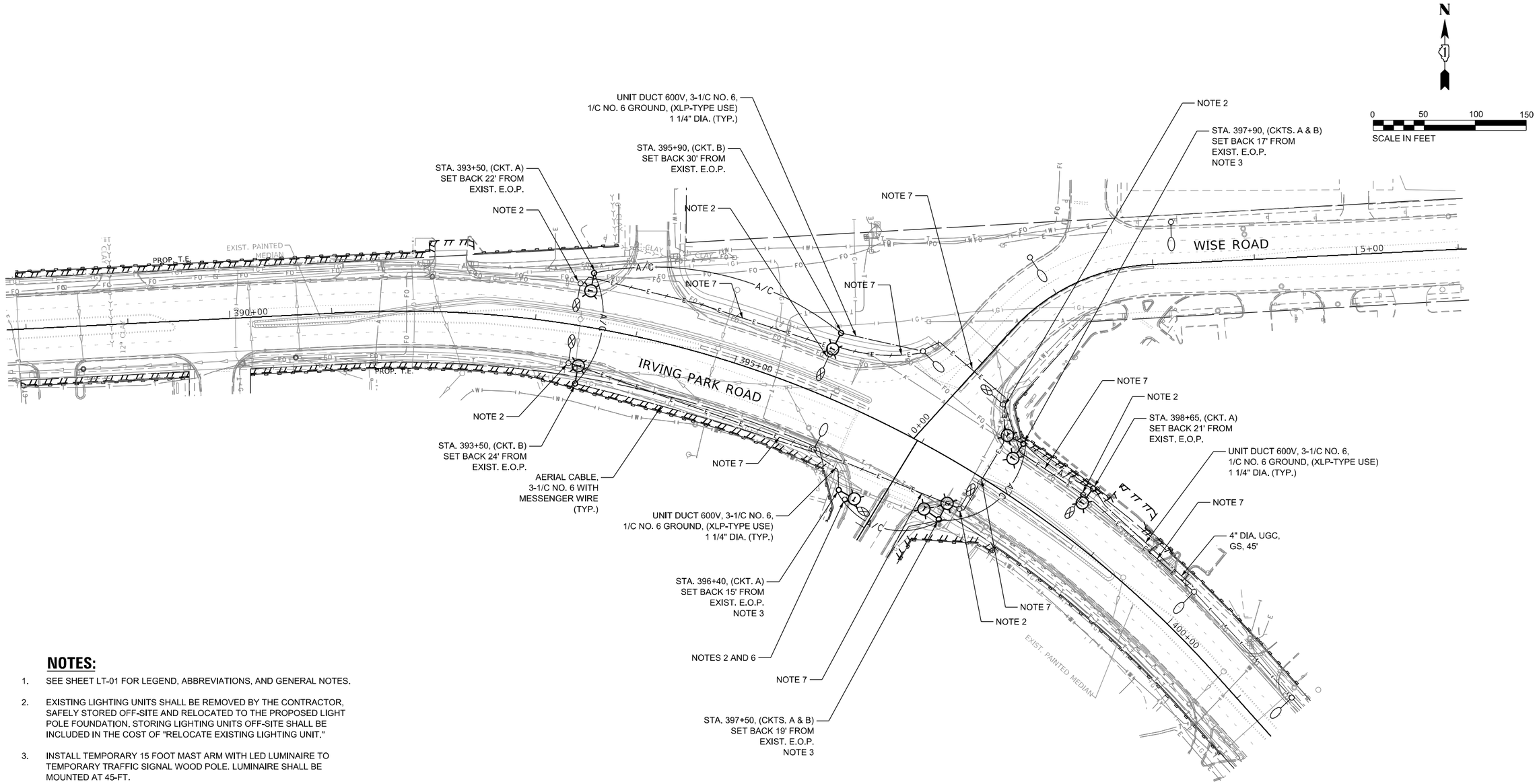
USER NAME = mgarvida	DESIGNED - MG	REVISED -	
	DRAWN - AA	REVISED -	
PLOT SCALE = 50 ' / in.	CHECKED - RP	REVISED -	
PLOT DATE = 5/27/2022	DATE - 5/27/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING LEGEND, GENERAL NOTES, AND SCHEDULE OF QUANTITIES
IL ROUTE 19 AT WISE ROAD

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	72
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING UNITS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED OFF-SITE AND RELOCATED TO THE PROPOSED LIGHT POLE FOUNDATION. STORING LIGHTING UNITS OFF-SITE SHALL BE INCLUDED IN THE COST OF "RELOCATE EXISTING LIGHTING UNIT."
3. INSTALL TEMPORARY 15 FOOT MAST ARM WITH LED LUMINAIRE TO TEMPORARY TRAFFIC SIGNAL WOOD POLE. LUMINAIRE SHALL BE MOUNTED AT 45-FT.
4. COMPLETE TEMPORARY LIGHTING SYSTEM INCLUDING, TEMPORARY LIGHTING UNITS, AERIAL CABLES, AND OTHER TEMPORARY LIGHTING ITEMS SHOWN ON THE TEMPORARY LIGHTING PLANS SHALL BE INSTALLED IN APPROVED OPERATION DURING PRE-STAGE PRIOR TO REMOVAL OF EXISTING LIGHTING SYSTEM UNLESS NOTED OTHERWISE.
5. TEMPORARY LIGHTING SYSTEM SHALL BE REMOVED AFTER PROPOSED LIGHTING SYSTEM IS INSTALLED IN APPROVED OPERATION.
6. EXISTING LIGHTING UNIT IS POWERED FROM NEARBY EXISTING TRANSFORMER 1A62. PRIOR TO REMOVAL OF EXISTING LIGHT POLE, CIRCUIT SHALL BE DISCONNECTED FROM THE TRANSFORMER.
7. ABANDONED UNDERGROUND ELECTRIC CABLES IN DUCT SHALL BE REMOVED FROM THE DUCT AND BECOME THE PROPERTY OF THE CONTRACTOR. THIS WORK SHALL BE INCLUDED IN THE COST OF "REMOVAL OF POLE FOUNDATION."

LIGHTING OWNED AND MAINTAINED BY VILLAGE OF SCHAUMBURG

LT–02

MODEL: Default
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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

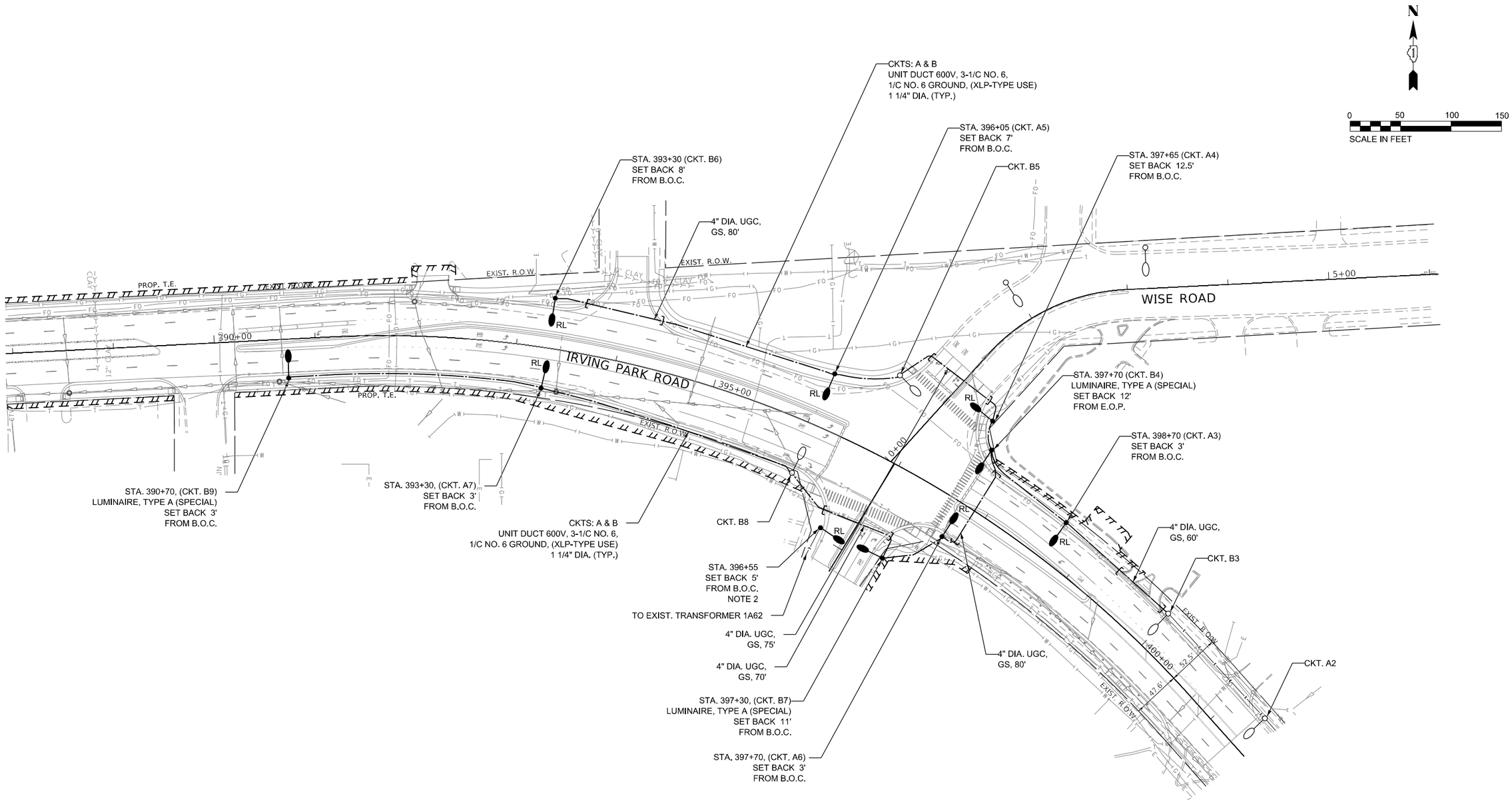
USER NAME = mgarvida	DESIGNED - MG	REVISED -
	DRAWN - AA	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - RP	REVISED -
PLOT DATE = 6/24/2022	DATE - 5/27/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL AND TEMPORARY LIGHTING PLAN
IL ROUTE 19 AT WISE ROAD

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	73
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. RE-ROUTE EXISTING CIRCUIT TO RELOCATED LIGHTING UNIT AND RE-CONNECT TO EXISTING TRANSFORMER 1A62.

LIGHTING OWNED AND MAINTAINED BY VILLAGE OF SCHAUMBURG

LT–03

MODEL: Default
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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mgarvida	DESIGNED - MG	REVISED -	
	DRAWN - AA	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - RP	REVISED -	
PLOT DATE = 5/27/2022	DATE - 5/27/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

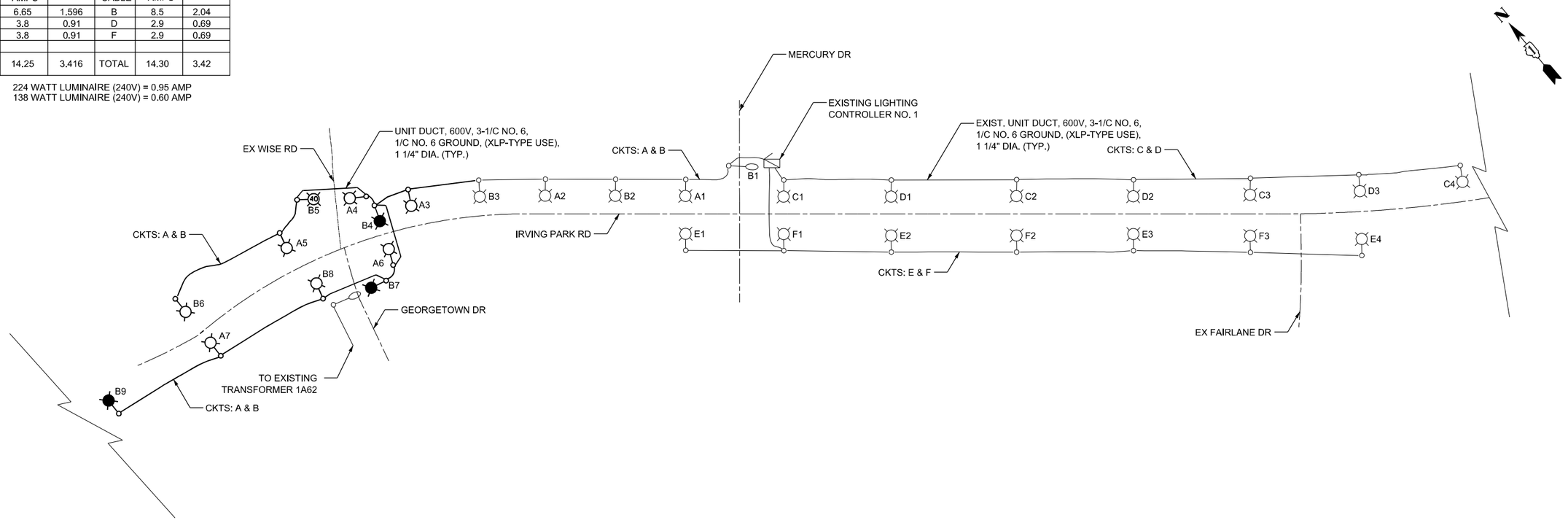
PROPOSED LIGHTING PLAN
IL ROUTE 19 AT WISE ROAD

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	74
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

PROPOSED CONTROLLER NO. 1 CIRCUIT LOAD TABLE					
BLACK CABLE	@240V AMPS	KW LOAD	RED CABLE	@240V AMPS	KW LOAD
A	6.65	1.596	B	8.5	2.04
C	3.8	0.91	D	2.9	0.69
E	3.8	0.91	F	2.9	0.69
TOTAL	14.25	3.416	TOTAL	14.30	3.42

224 WATT LUMINAIRE (240V) = 0.95 AMP
138 WATT LUMINAIRE (240V) = 0.60 AMP



LEGENDS:

- PROPOSED LIGHTING UNIT, LUMINAIRE, TYPE A (SPECIAL) LUMINAIRE, 224 WATT LED, 240V (PHASE TO NEUTRAL), 10' MAST ARM, 47.5' MH
- EXISTING LIGHTING UNIT LUMINAIRE, 224 WATT LED, 240V (PHASE TO NEUTRAL), 10' MAST ARM, 47.5' MH
- EXISTING LIGHTING UNIT LUMINAIRE, 224 WATT LED, 240V (PHASE TO NEUTRAL), 10' MAST ARM, 40' MH
- EXISTING LIGHTING UNIT LUMINAIRE, 138 WATT LED, 240V (PHASE TO NEUTRAL), 10' MAST ARM, 30' MH
- EXISTING LIGHTING CONTROLLER, BASE MOUNTED, 480 VOLT, 100 AMP
- PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED
- EXISTING UNIT DUCT, SIZE AND TYPE AS NOTED

LIGHTING OWNED AND MAINTAINED BY VILLAGE OF SCHAUMBURG

LT–04

MODEL: Default
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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

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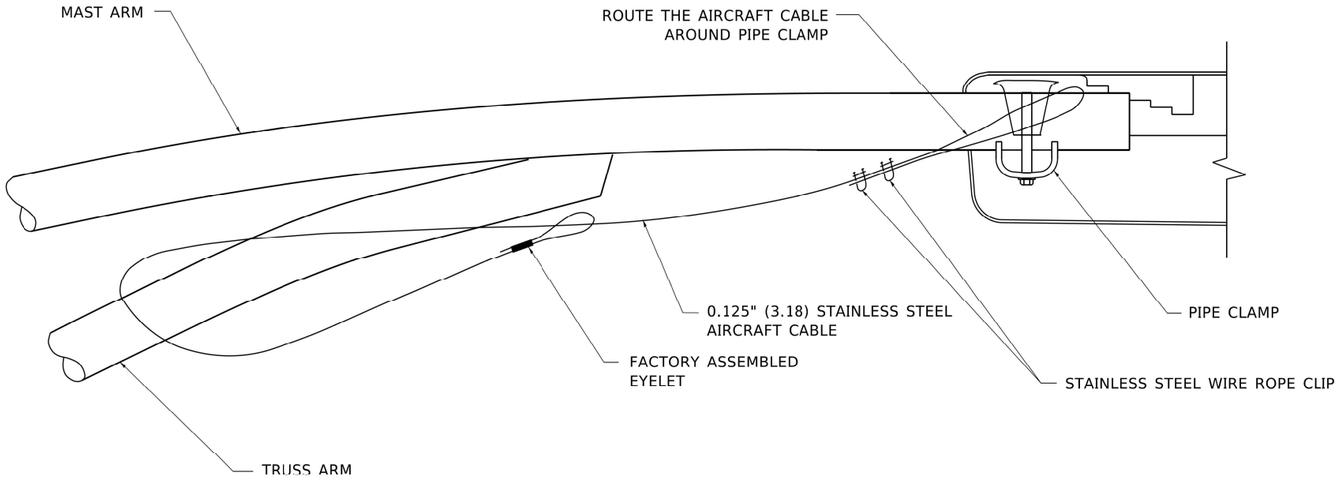
PLOT SCALE = 50.0000 ' / in.	CHECKED - RP	REVISED -	
PLOT DATE = 5/27/2022	DATE - 5/27/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

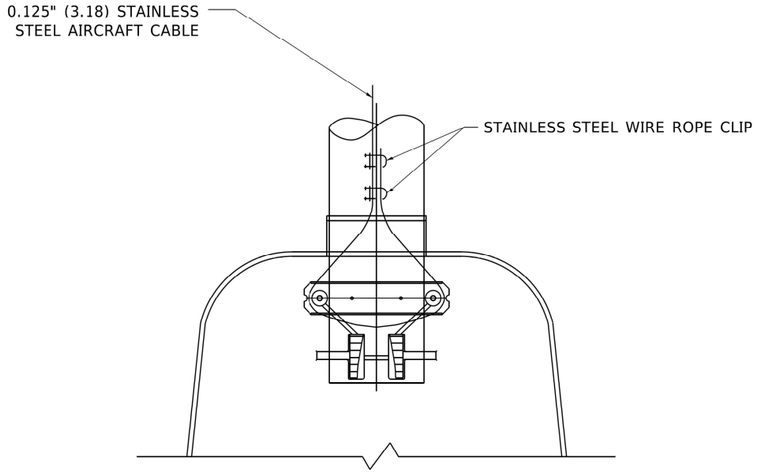
LIGHTING CONTROLLER WIRING DIAGRAM
IL ROUTE 19 AT WISE ROAD

SCALE: | SHEET OF SHEETS | STA. | TO STA.

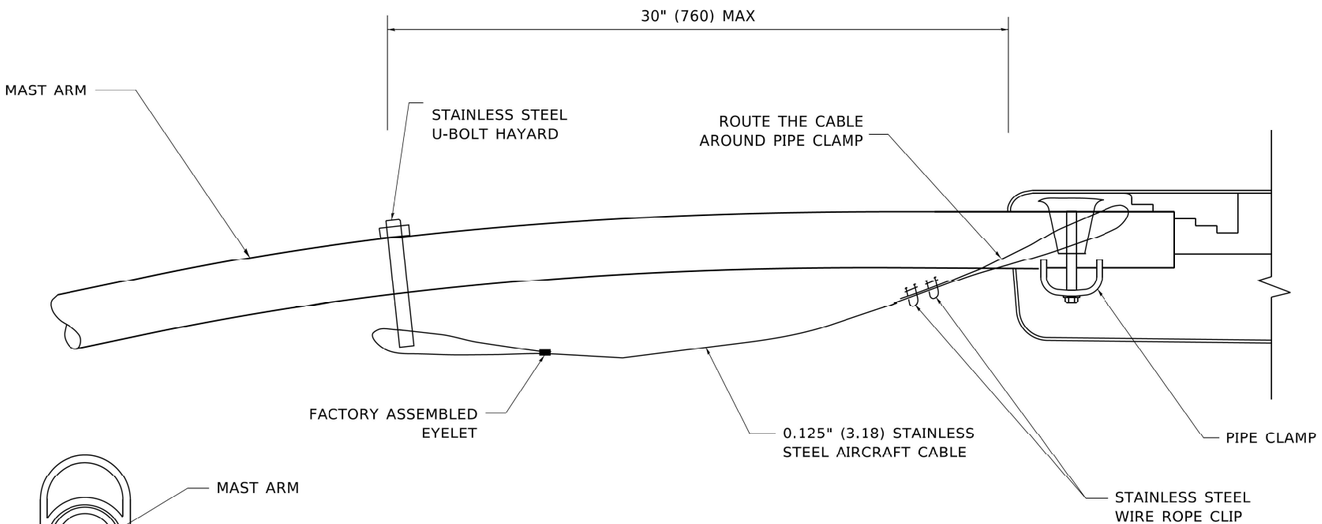
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	75
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		



SIDE VIEW (TRUSS ARM)
N.T.S.



BOTTOM VIEW
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

LT–05

USER NAME = footemj	DESIGNED -	REVISED - 08-08-03	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 4/19/2019	DATE -	REVISED -	

LUMINAIRE SAFETY CABLE ASSEMBLY

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	76
	BE–701	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

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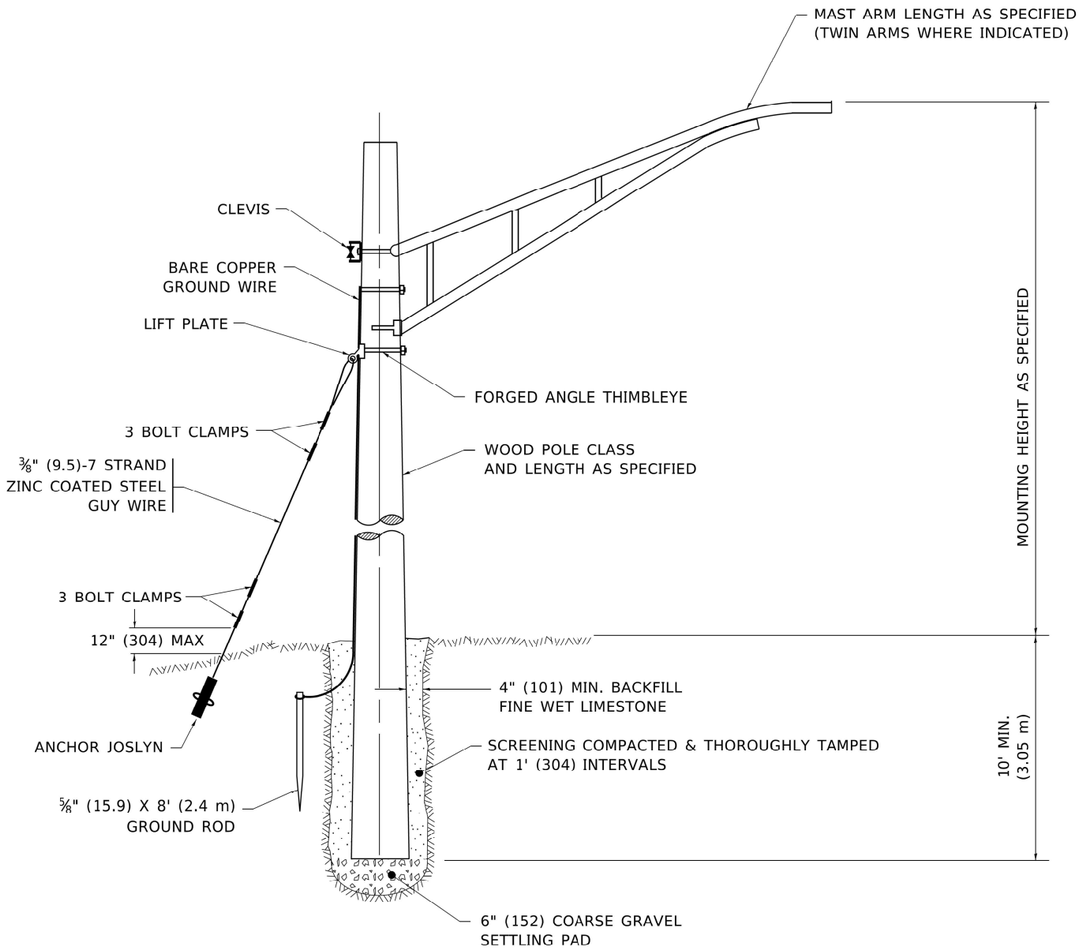
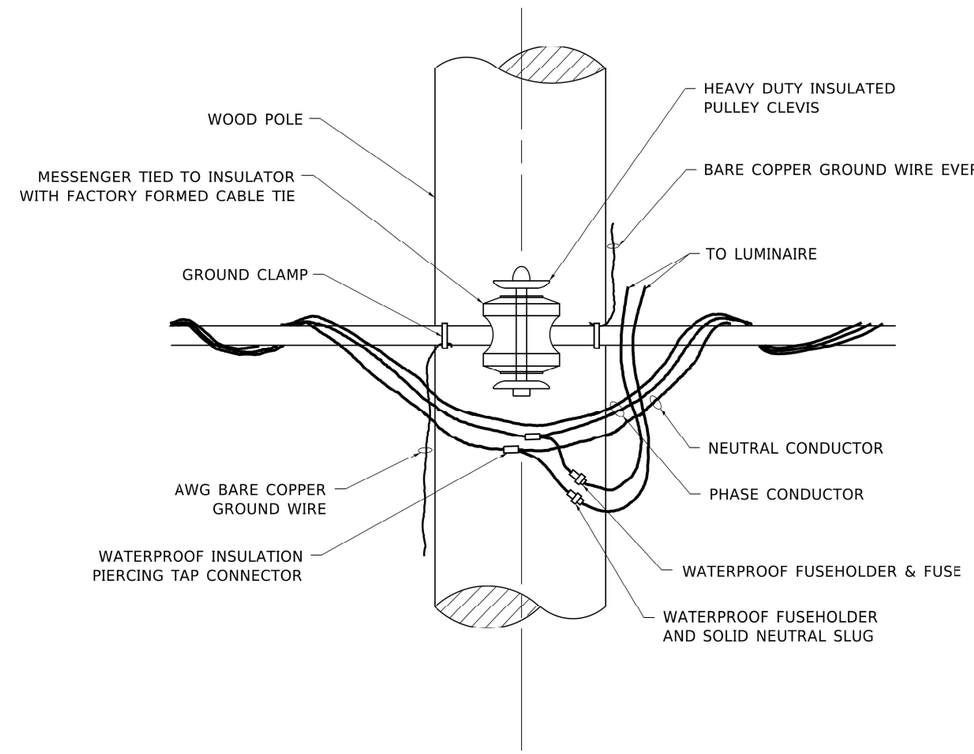


TEMPORARY LIGHT POLE DETAIL



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

NOTE:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.

LT–06

USER NAME = footemj	DESIGNED -	REVISED - 08-08-03	
	DRAWN -	REVISED - R.T. 07-26-16	
PLOT SCALE = 50.0010 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 4/19/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHT POLE DETAILS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	77
	BE–800	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

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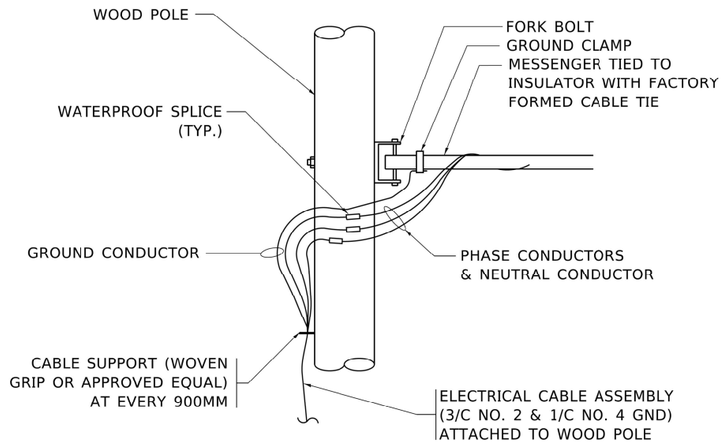
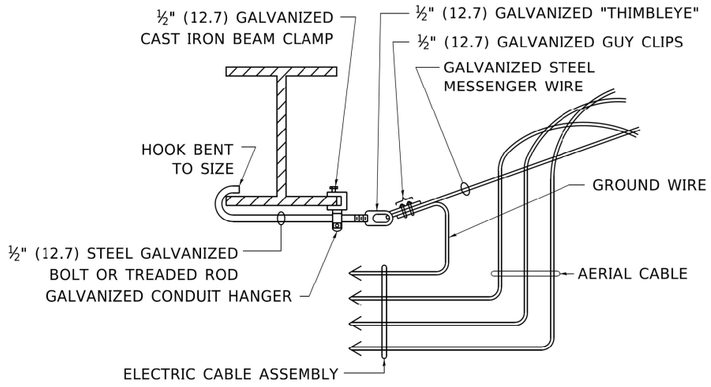


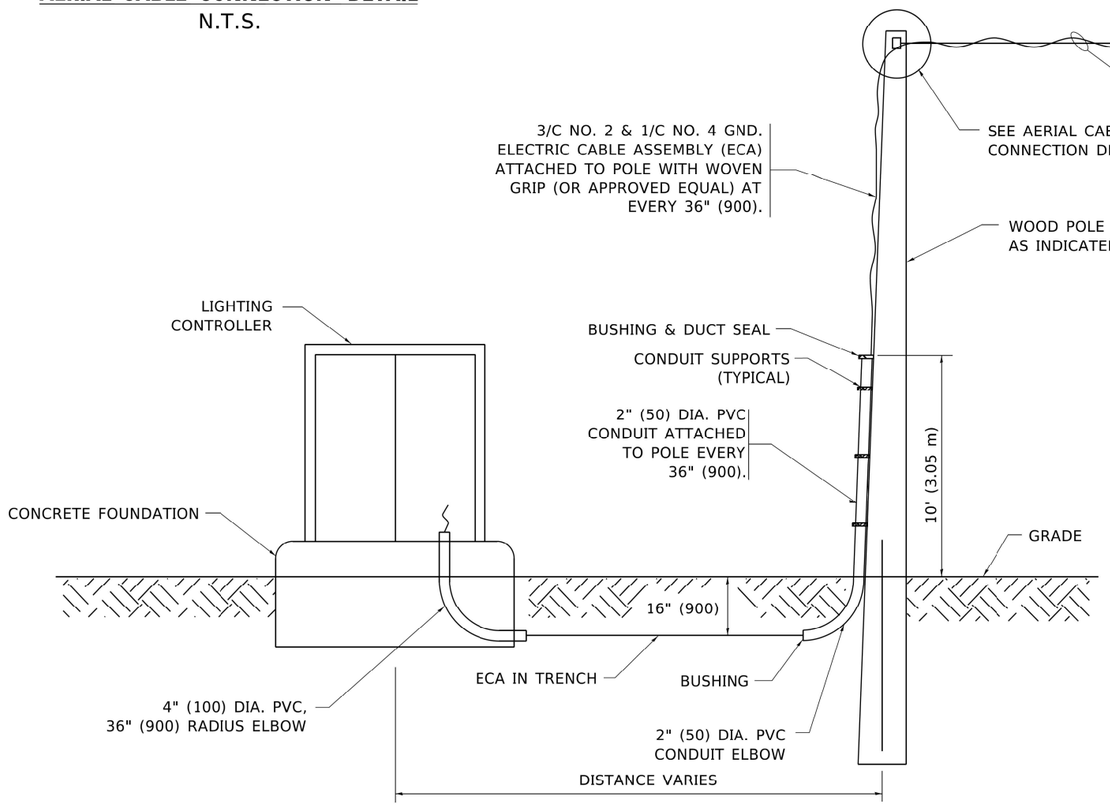
AERIAL CABLE CONNECTION DETAIL

N.T.S.



AERIAL CABLE ATTACHED TO STRUCTURE

NOT TO SCALE



WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL

N.T.S.

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.

LT–07

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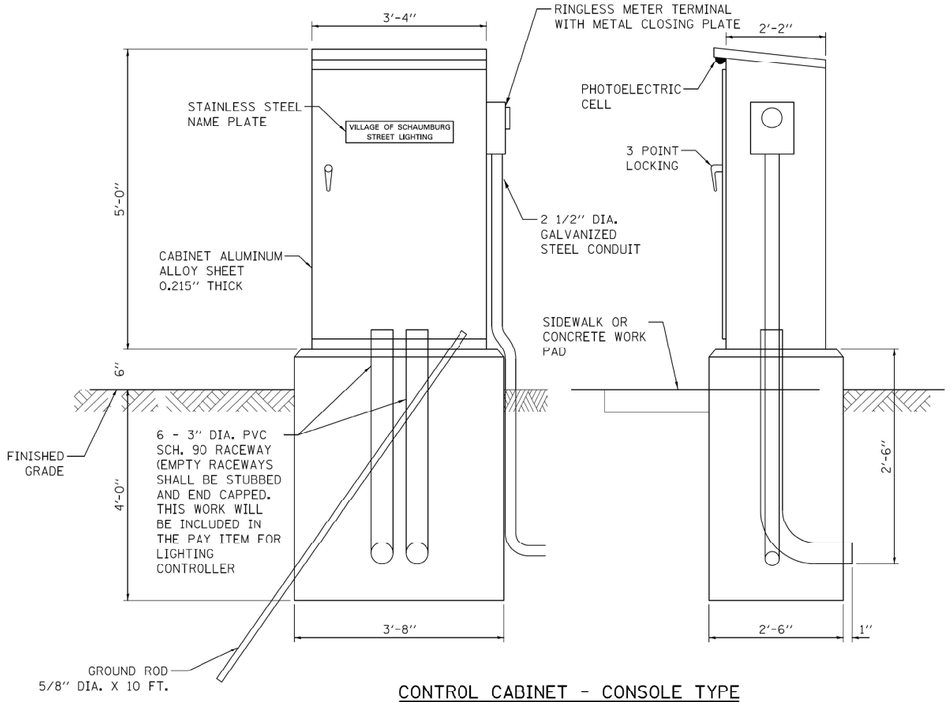
USER NAME = footemj	DESIGNED -	REVISED - 08-08-03	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**TEMPORARY AERIAL CABLE INSTALLATION**	F.A. RTE. 1321 / SECTION 2019-055- TS / COUNTY COOK / TOTAL SHEETS 112 / SHEET NO. 78
	DRAWN -	REVISED -			
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -			BE–801 / CONTRACT NO. 62J30
PLOT DATE = 4/19/2019	DATE -	REVISED -		SCALE: NONE / SHEET 1 OF 1 SHEETS / STA. / TO STA.	ILLINOIS / FED. AID PROJECT



CONTROL CABINET - CONSOLE TYPE

NOTES FOR CONTROL CABINET:

THE CABINET SHALL BE FABRICATED FROM 0.125" THICK ALUMINUM ALLOY SHEET AND SHALL BE REINFORCED WITH ALUMINUM ANGLES. THE CABINET DOOR SHALL BE NEMA TYPE 3 CONSTRUCTION WITH NEOPRENE GASKET. THE DOOR SHALL HAVE STAINLESS STEEL HINGES AND THREE POINT LOCKING SYSTEM.

CONTROL WIRING SHALL BE NO. 12 AWG., 600V, TYPE 'SIS' GRAY SWITCHBOARD WIRE, STRANDED COPPER.

THE HEADS OF CONNECTOR SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BUS CONNECTION AND GREEN FOR GROUND BUS CONNECTORS.

PROVIDE SEALING GROMMETS FOR ALL WIRING EXTENDING FROM DEVICE ENCLOSURES.

ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL 'ENCLOSED INDUSTRIAL CONTROL PANEL'.

PROVIDE A HOLDER AND WATERPROOF POUCH ON THE INNER SIDE OF THE CONTROLLER DOOR. FURNISH THE APPROVED COPY OF 'CONTROL CABINET WIRING DIAGRAM'.

A CONCRETE PAD 36" X 60" X 4" MINIMUM SIZE SHALL BE PLACED IN FRONT OF CONTROLLER CABINET DOOR WHEN THERE IS NO SIDEWALK. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.

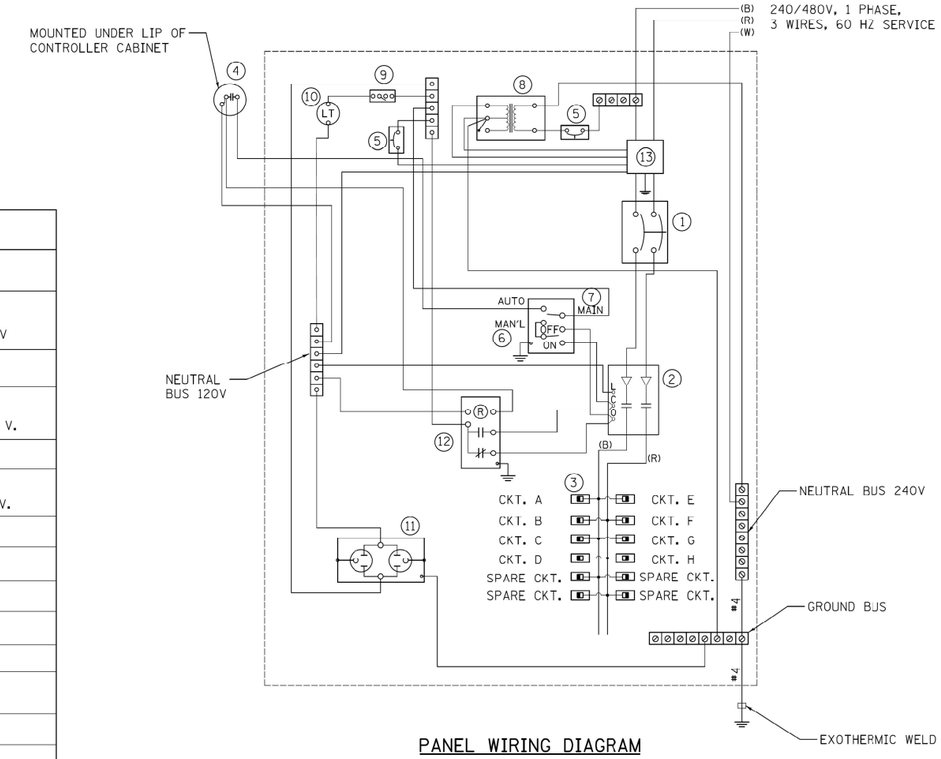
CONTROLLER CABINET PAINTING NOTE:
THE CABINET SHALL BE PRIMED AND PAINTED GREEN. A SAMPLE SHALL BE SUBMITTED WITH THE SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION. THE COST OF PAINTING THE CABINET SHALL BE INCLUDED IN THE COSTS OF MATERIAL AND INSTALLATION OF STREET LIGHTING CONTROLLER.

PROVIDE A RED WARNING NAMEPLATE IN THE CONTROLLER NEAR THE MAIN BREAKER INDICATING "LIVE CIRCUITS EVEN WHEN MAIN CIRCUIT BREAKER IS IN OFF POSITION".

CONTROLLER CABINET DOOR SHALL BE ON THE PARKWAY SIDE OF THE CABINET, OPPOSITE THE ROADWAY.

DEVICE SCHEDULE

ITEM	QUANT.	DESCRIPTION
(1)	1	100 AMP CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, SINGLE THROW, 600V FRAME, NON-INTERCHANGEABLE TRIP, BOLT ON TYPE; INTERRUPTING CAPACITY OF NOT LESS THAN 22,000 RMS SYMMETRICAL AMPERES AT 600V
(2)	1	100 AMP, SQUARE D ELECTRICALLY OPERATED AND MECHANICALLY HELD LIGHTING CONTACTOR, 2- POLE, 600 V. WITH 240 V. COIL
(3)	12	240/480 V. 1 PHASE PANEL BOARD WITH 100 A. COPPER MAIN SINGLE POLE, 30 A., 277 V. BOLT ON BRANCH CIRCUIT BREAKERS INTERRUPTING CAPACITY OF NOT LESS THAN 10,000 RMS SYMMETRICAL AMPERES AT 240 V.
(4)	1	PHOTO-ELECTRIC CELL, 120 V, MOUNT UNDER LIP OF CONTROLLER CABINET
(5)	2	THERMAL MAGNETIC, MOLDED CASE CIRCUIT BREAKER, 1 POLE, 15 A., 240 V. BOLT ON TYPE. INTERRUPTING CAPACITY OF NOT LESS THAN 5,000 RMS SYMMETRICAL AMPERES AT 240 V.
(6)	1	CONTROL SWITCH, MOMENTARY CONTACT, SPDT, 15 A., 240 V.
(7)	1	CONTROL SWITCH, TOGGLE TYPE, SPDT, 20 A., 240 V. SPEC. GRADE
(8)	1	240/120V. STEP DOWN CONTROL TRANSFORMER 1500 VA RATED
(9)	1	MICRO SWITCH (MOUNTED WITH ACTUATOR TO SWITCH WHEN DOOR IS OPEN)
(10)	1	60 WATT LIGHT FIXTURE VAPORTIGHT WITH GLOBE, GUARD AND MOUNTING BOX
(11)	1	120 VOLT, 20 AMP. GFCI RECEPTACLE, SPECIFICATION GRADE IN NEMA 5-15R WEATHERPROOF BOX WITH FLAP-TYPE COVER
(12)	1	POWER RELAY WITH CONTACTS RATED FOR CONTACTOR INRUSH CURRENT - 120 V COIL
(13)	1	SURGE ARRESTOR



PANEL WIRING DIAGRAM

FOR REFERENCE ONLY

LT-08

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mgarvida	DESIGNED - MG	REVISED -	
	DRAWN - AA	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - RP	REVISED -	
PLOT DATE = 5/27/2022	DATE - 5/27/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING CONTROLLER DETAIL
IL ROUTE 19 AT WISE ROAD

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	79
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	

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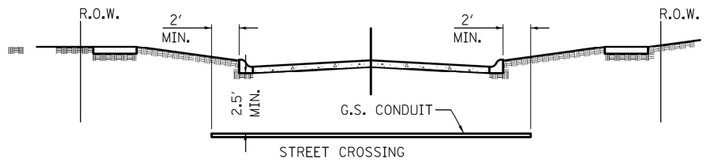


① CONDUIT SHALL BE HEAVY WALL RIGID G.S. CONDUIT.
② CONDUIT SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB.
③ CONDUIT SHALL BE A MINIMUM OF 2.5 FT. BELOW BOTTOM OF CURB.
④ LOCATION OF CONDUIT CROSSING SHALL BE MARK ON CURBS WITH ARROWS.

ELECTRICAL CONDUIT UNDER PAVEMENT

NOTES:

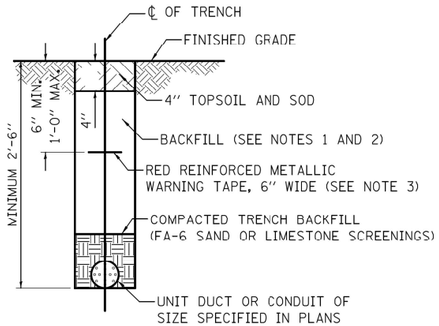
1. IN GRASS COVERED AREAS, THE BACKFILL MAY BE COMPACTED EARTH.

2. TRENCHES WITHIN 2' OF PROPOSED OR EXISTING STREETS, DRIVEWAYS, OR SIDEWALKS WILL BE BACKFILLED WITH COMPACTED FA-6 SAND OR LIMESTONE SCREENINGS.

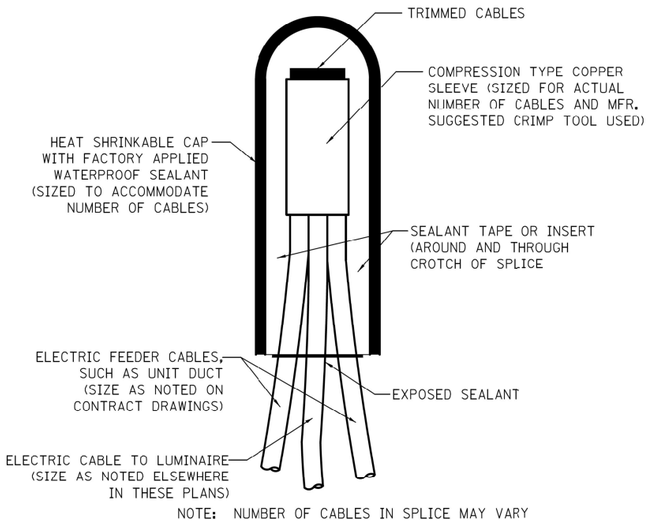
3. WARNING TAPE WILL BE RED WITH BLACK LETTERING TO READ "CAUTION - ELECTRIC LINE BURIED BELOW".

4. ALL GRASS COVERED AREAS DISTURBED DURING CONSTRUCTION WILL BE RESTORED WITH 4" OF TOPSOIL AND SOD.

5. MINIMUM UNIT DUCT AND CONDUIT DEPTH IS 30". NOTIFY RESIDENT ENGINEER AND VILLAGE ENGINEER WITH CONFLICTS.

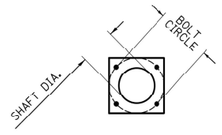


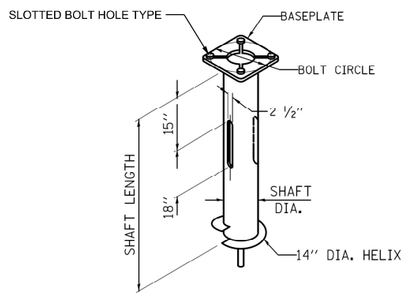
TYPICAL TRENCH CROSS SECTION



NOTE: NUMBER OF CABLES IN SPLICE MAY VARY

SPLICING ELECTRIC CABLES BASIC MATERIALS AND METHODS





HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11½"	8⅝"	6 FT.	12" X 12" X 1"
31 FT. - 35 FT.	11½"	8⅝"	6 FT.	12" X 12" X 1"
36 FT. - 40 FT.	15"	8⅝"	6 FT.	15" X 15" X 1¼"
41 FT. - 45 FT.	15"	8⅝"	6 FT.	15" X 15" X 1¼"
46 FT. - 50 FT.	15"	10"	8 FT.	15" X 15" X 1¼"

NOTES FOR METAL FOUNDATION

1. METAL FOUNDATION SHALL BE THE FOUNDATION USED FOR ALL LIGHTING AND DECORATIVE LIGHTING UNITS UNLESS CONDITIONS IN THE FIELD MAKES IT IMPOSSIBLE TO USE METAL FOUNDATIONS, THEN AN OFFSET FOUNDATION SHALL BE USED WITH ENGINEER APPROVAL.

2. ALL MATERIAL SHALL BE GALVANIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.

3. ALL WELDS SHALL BE CONTINOUS AND NOT LESS THAN ¼" FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.

4. CUT TWO SLOTS IN THE SHAFT AT 180 DEGREE FOR UNIT DUCTS AND CABLES ENTERING AND LEAVING THE POLE FOUNDATION.

5. BASEPLATES NEED TO BE MARKED PROPERLY WHERE RACEWAY OPENINGS ARE LOCATED. FOUNDATION WILL BE REJECTED IF TOP PLATE IS NOT OR IMPROPERLY MARKED.

6. HELIX FOUNDATION SHALL BE INSTALLED VERTICAL AND THE BASEPLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.

7. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.

8. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASEPLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.

9. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.

10. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.

11. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB. METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.

12. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS (± 1°) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.

13. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE (± 2°).

14. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

15. ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:

BASE PLATE: AASHTO M 270M, GRADE 36 (M270M, GRADE 250)

SHAFT: ASTM A 252 - (LATEST REVISION) GRADE 2, (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)

HELIX SCREW: AASHTO M 183 (ASTM A 635) (LATEST REVISION)

PILOT POINT: AASHTO M 270 (ASTM A 575) (LATEST REVISION)

ANCHOR RODS/STUDS: AASHTO M 314 (ASTM F 1554) (LATEST REVISION)

HEXAGON NUTS: AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H (LATEST REVISION)

WASHERS: AASHTO M 293 (ASTM F 436) (LATEST REVISION)

POLE FOUNDATION METAL

HELIX MUST BE FORMED BY MATCHING METAL DIE (SIDE VIEW OF TRUE HELICAL FORM)

MODEL: Default
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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

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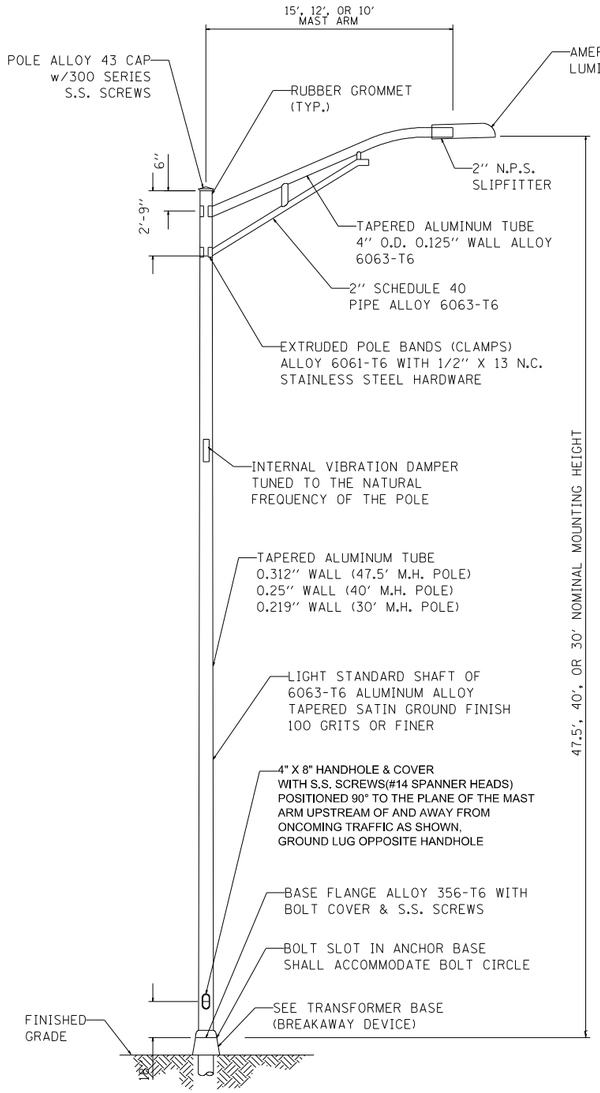
PLOT DATE = 5/27/2022	DATE - 5/27/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

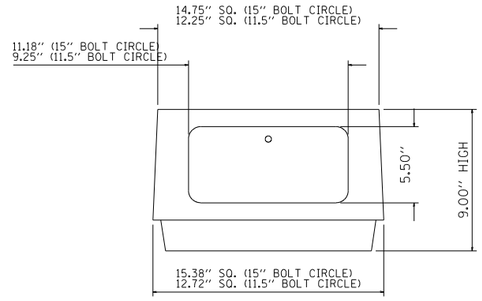
SCHAUMBURG ARTERIAL LIGHTING DETAIL
IL ROUTE 19 AT WISE ROAD

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	80
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		



HARDWARE NOTES:
CARRIAGE BOLTS SHALL BE USED WITH 1/2" THICK FLAT WASHERS FOR BOTH THE BASE TO HELIX AND AT LEAST 3/8" WASHER FOR POLE TO T-BASE ATTACHMENT. NO THREADED PIPE ALLOWED.



TRANSFORMER BASE
(BREAKAWAY DEVICE)

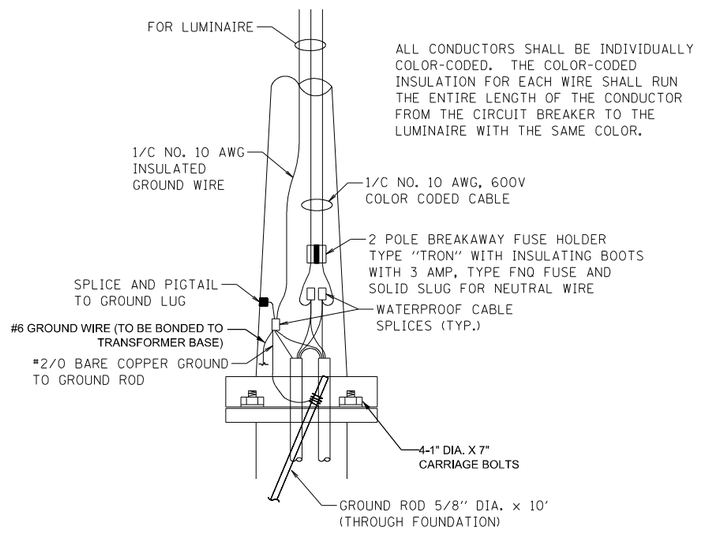
(MEET 1985 AASHTO REQUIREMENTS)

NOTES:

1. HEAT TREATMENT SHALL BE APPLIED AFTER WELDING.
2. DESIGN AND FABRICATION OF THE POLE SHAFT, ARMS, TENONS, AND ATTACHMENTS SHALL BE ACCORDING TO AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" CURRENT AT THE TIME THE PROJECT IS ADVERTISED. FOLLOW LIGHT POLE (BDE) SPECIFICATION.
3. POLES AND ARMS SHALL BE BUILT TO TOLERANCES THAT WILL ALLOW CONSISTENT INTERCHANGIBILITY TO FACILITATE REPLACEMENT OF ARMS AND POLES.
4. A DECAL COMPLYING WITH THE ANSI STANDARD SHALL BE PERMANENTLY ATTACHED TO THE LUMINAIRE AT THE FACTORY. THE DECK SHALL ALLOW A VIEWER AT GROUND LEVEL TO IDENTIFY THE WATTAGE AND LUMINAIRE PHOTOMETRIC DISTRIBUTION.

LIGHTING UNIT

(NOT TO SCALE)



ROADWAY POLE HANDHOLE WIRING DIAGRAM

LT-10

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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

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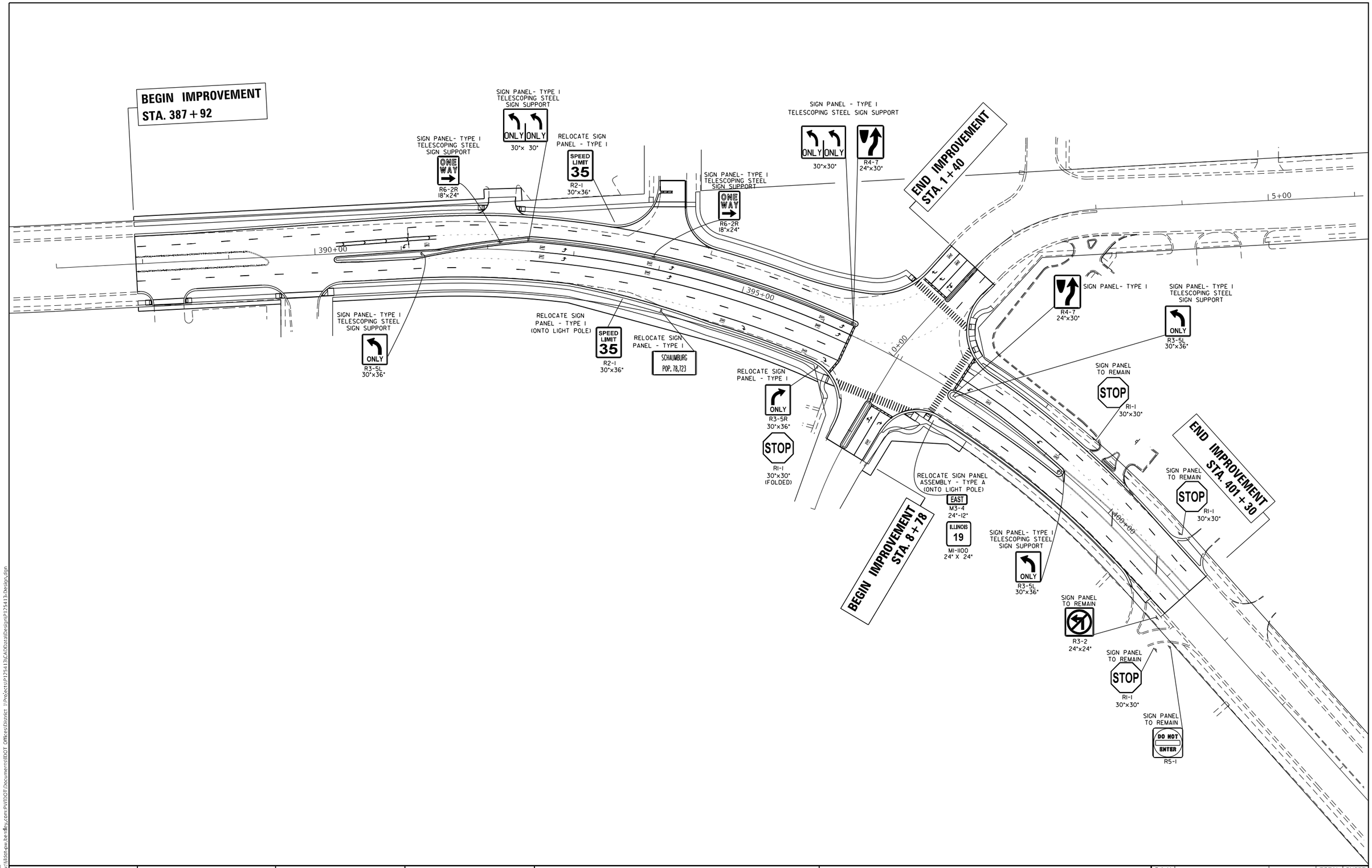
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHAUMBURG ARTERIAL LIGHTING DETAIL
IL ROUTE 19 AT WISE ROAD

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055- TS	COOK	112	81
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		



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	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/13/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

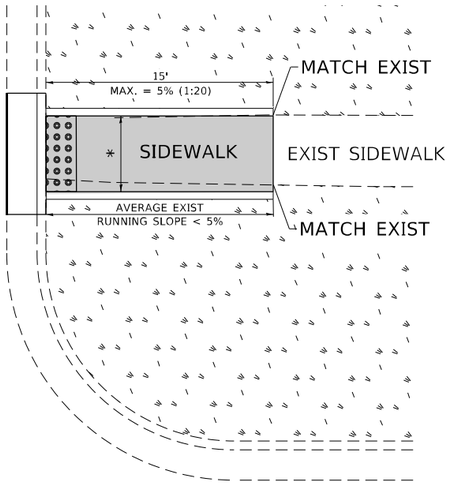
EXISTING AND PROPOSED SIGNING PLAN
U.S. ROUTE 19 (IRVING PARK ROAD) AT WISE ROAD/GEORGETOWN DRIVE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. TO STA.

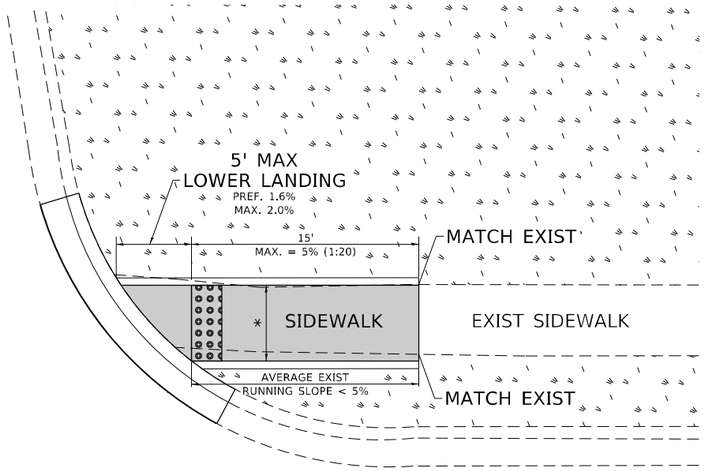
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	82
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR LESS RUN. SLOPE

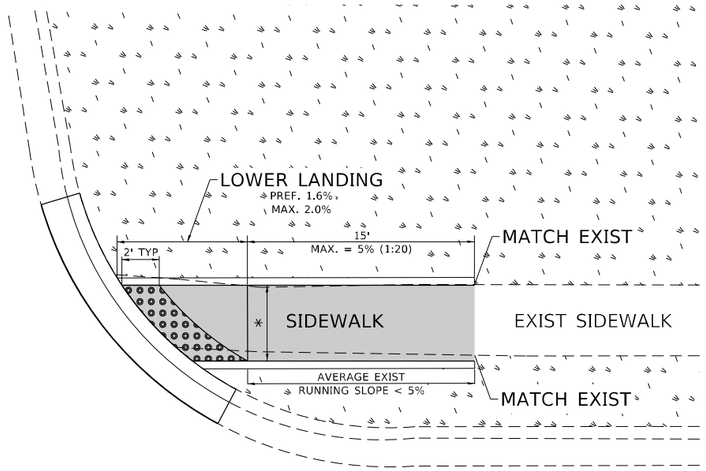
PD–01A



PD–01B



PD–01C



LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

USER NAME = Addis.Abebaw	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2022	DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD–01)

SCALE: NONE | SHEET OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	83
	PD-01	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

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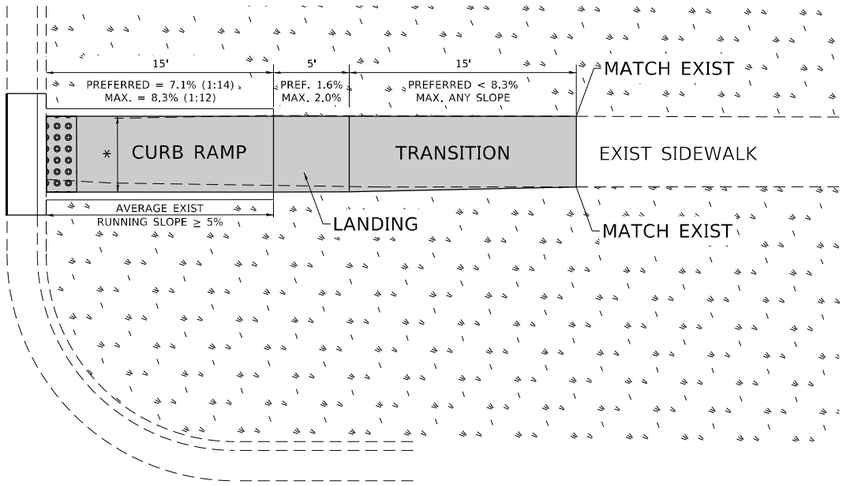
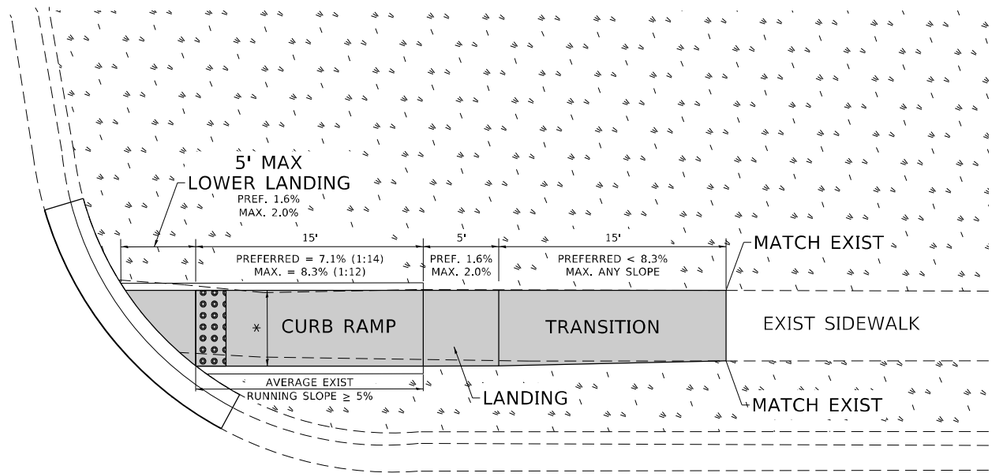
ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR GREATER RUN. SLOPE

PD–02A



PD–02B



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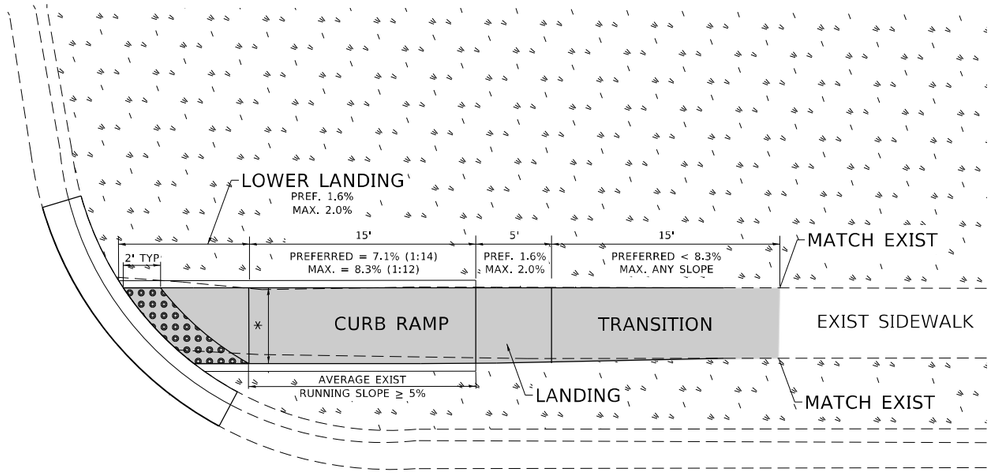

LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

USER NAME = Addis.Abebaw	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2022	DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD–02)

SCALE: NONE | SHEET OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	84
	PD-02	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

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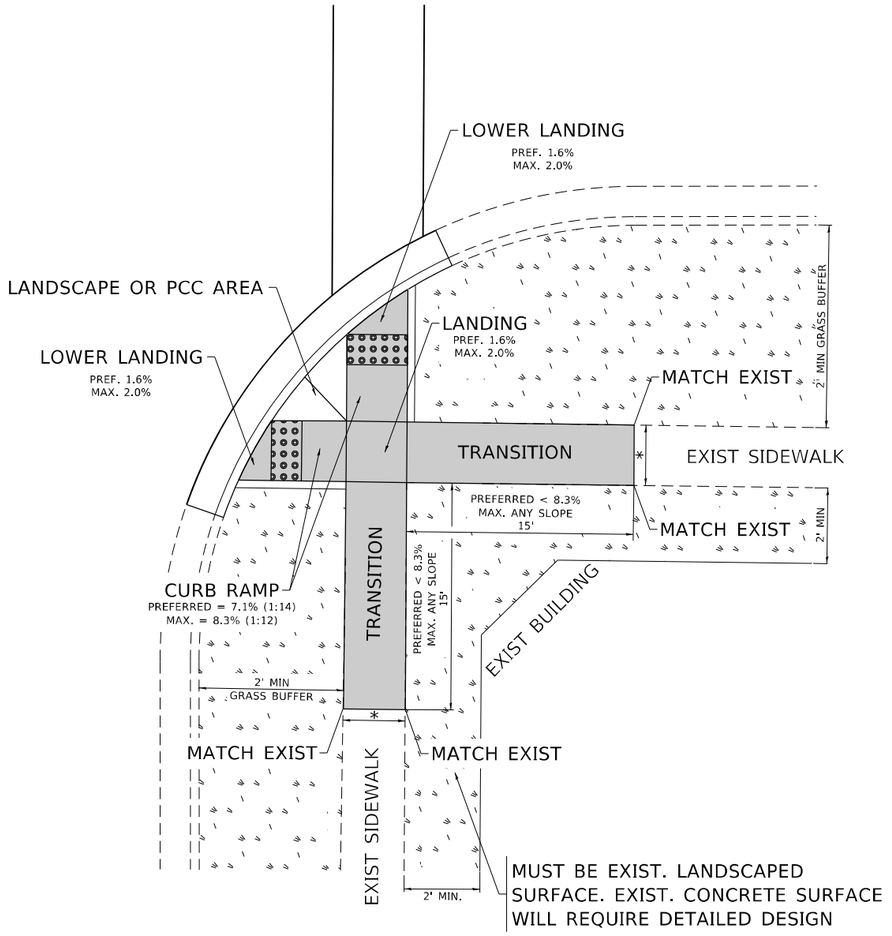
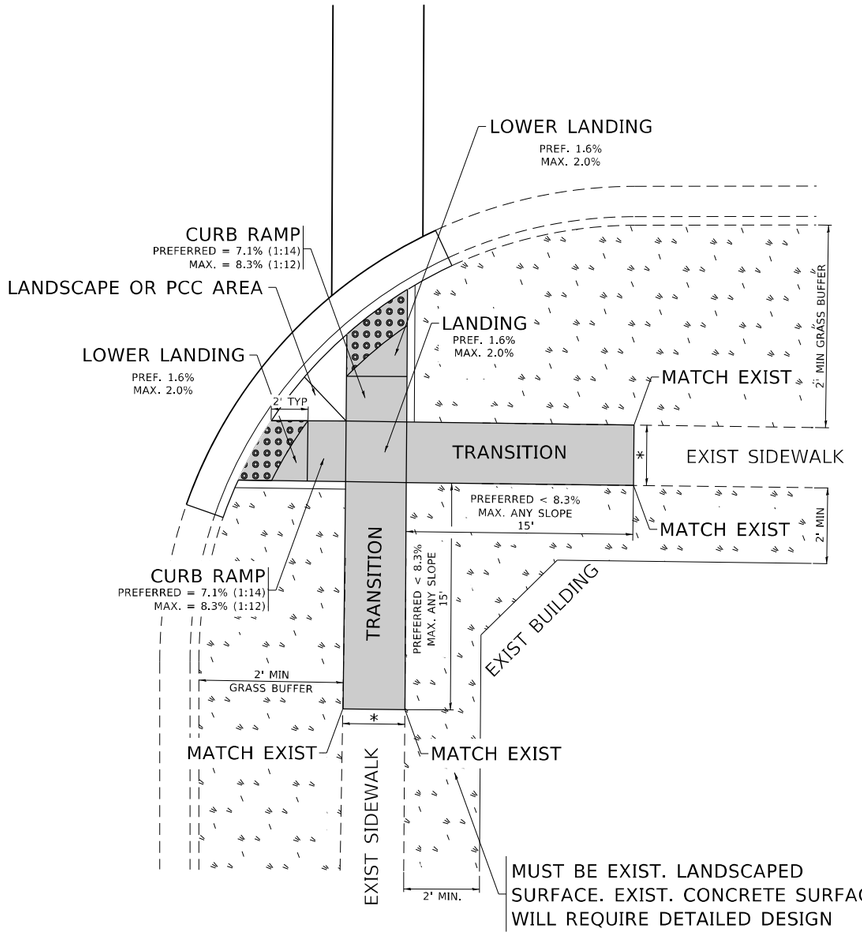
ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD–03A



PD–03B



LEGEND

- PROPOSED SIDE CURB
- EXIST. GRASS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

USER NAME = Addis.Abebaw	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2022	DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS
(PD–03)

SCALE: NONE | SHEET OF SHEETS | STA. | TO STA.

F.A. U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	85
	PD-03	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

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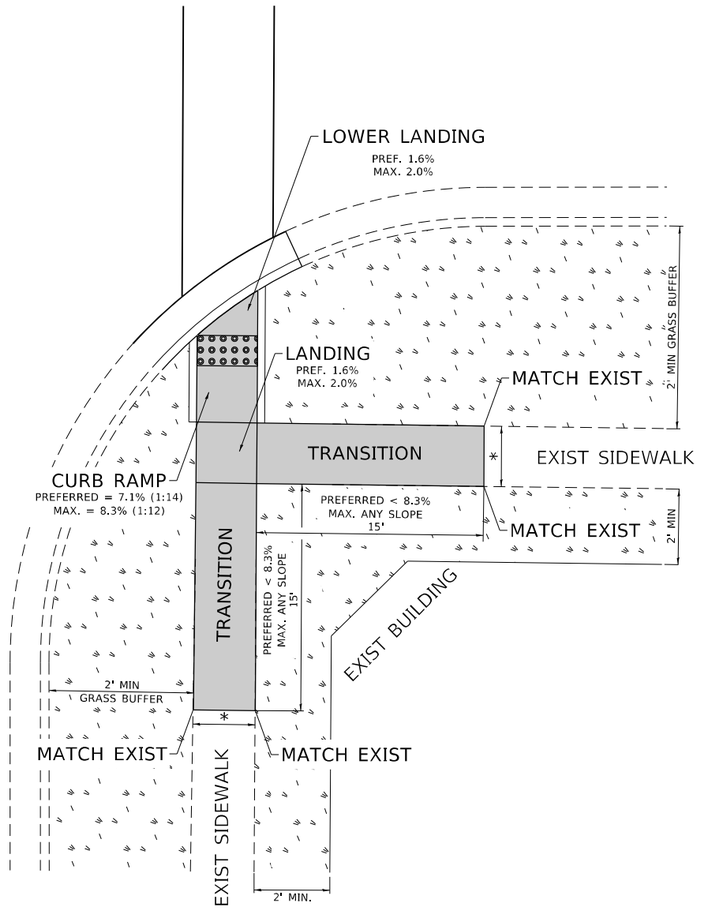
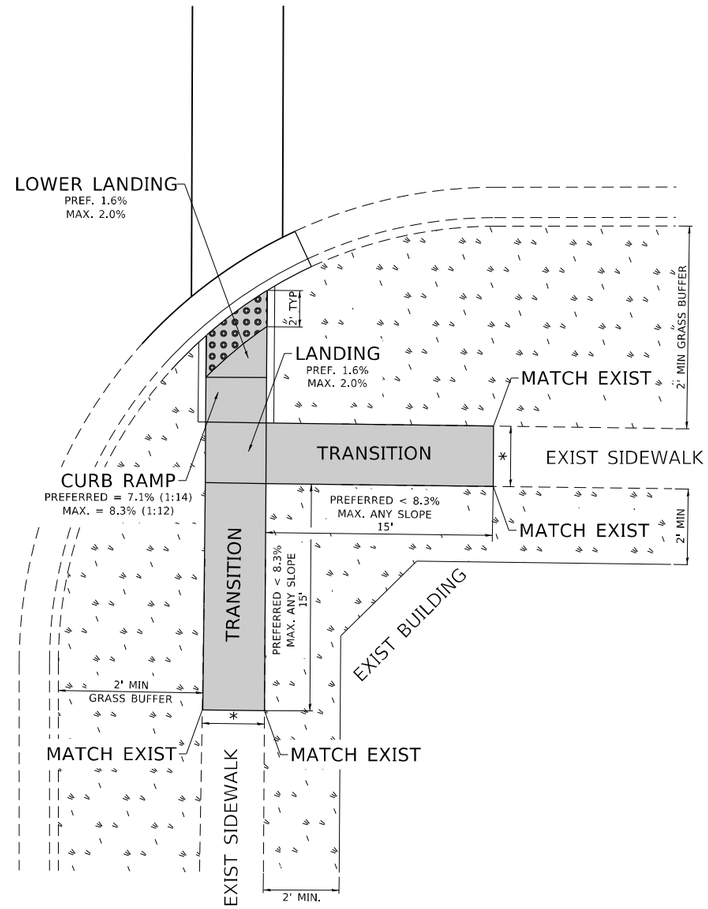
ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD–04A



PD–04B



LEGEND

- PROPOSED SIDE CURB
- EXIST. GRASS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

USER NAME = Addis.Abebaw	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2022	DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH TURNING SPACE (PD–04)

SCALE: NONE | SHEET OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	86
	PD-04	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

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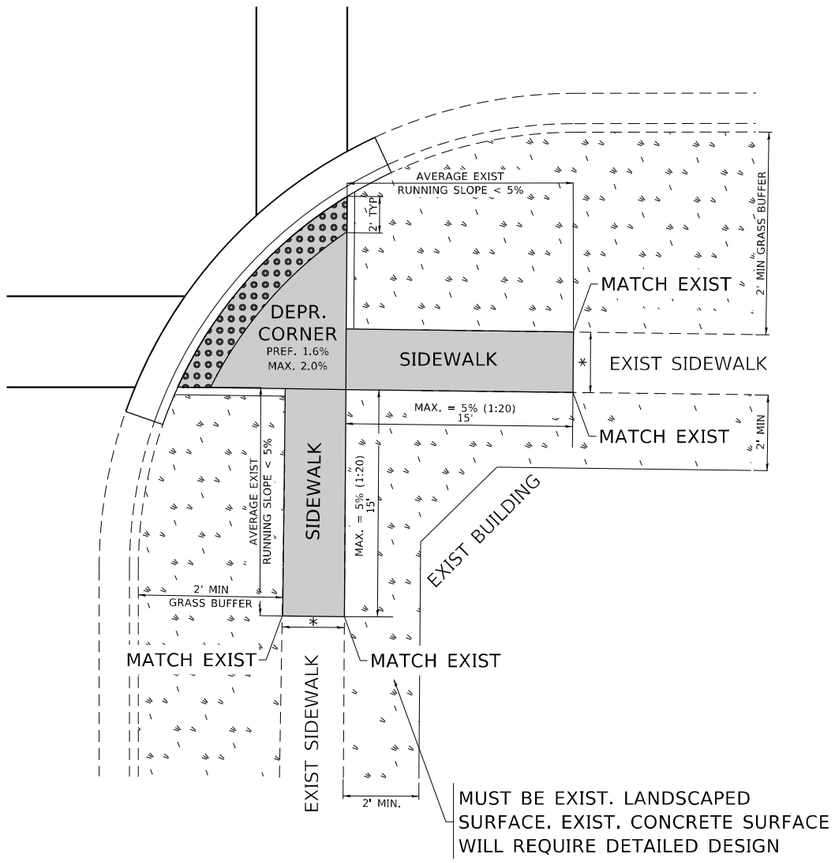
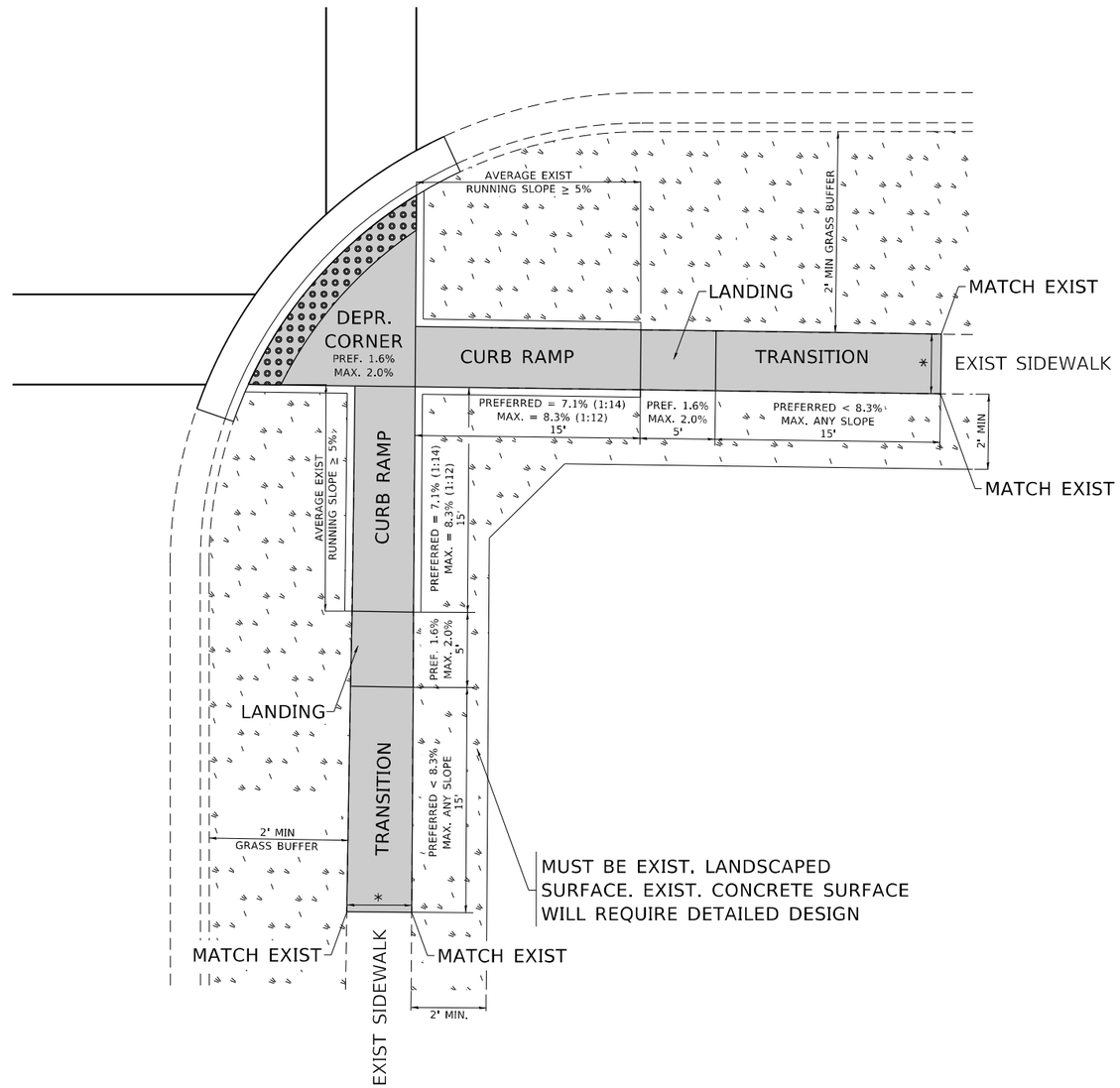
ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD–05A



PD–05B



LEGEND

- PROPOSED SIDE CURB
- EXIST. GRASS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

USER NAME = Addis.Abebaw	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2022	DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS
(PD–05)

SCALE: NONE | SHEET OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	87
	PD-05	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

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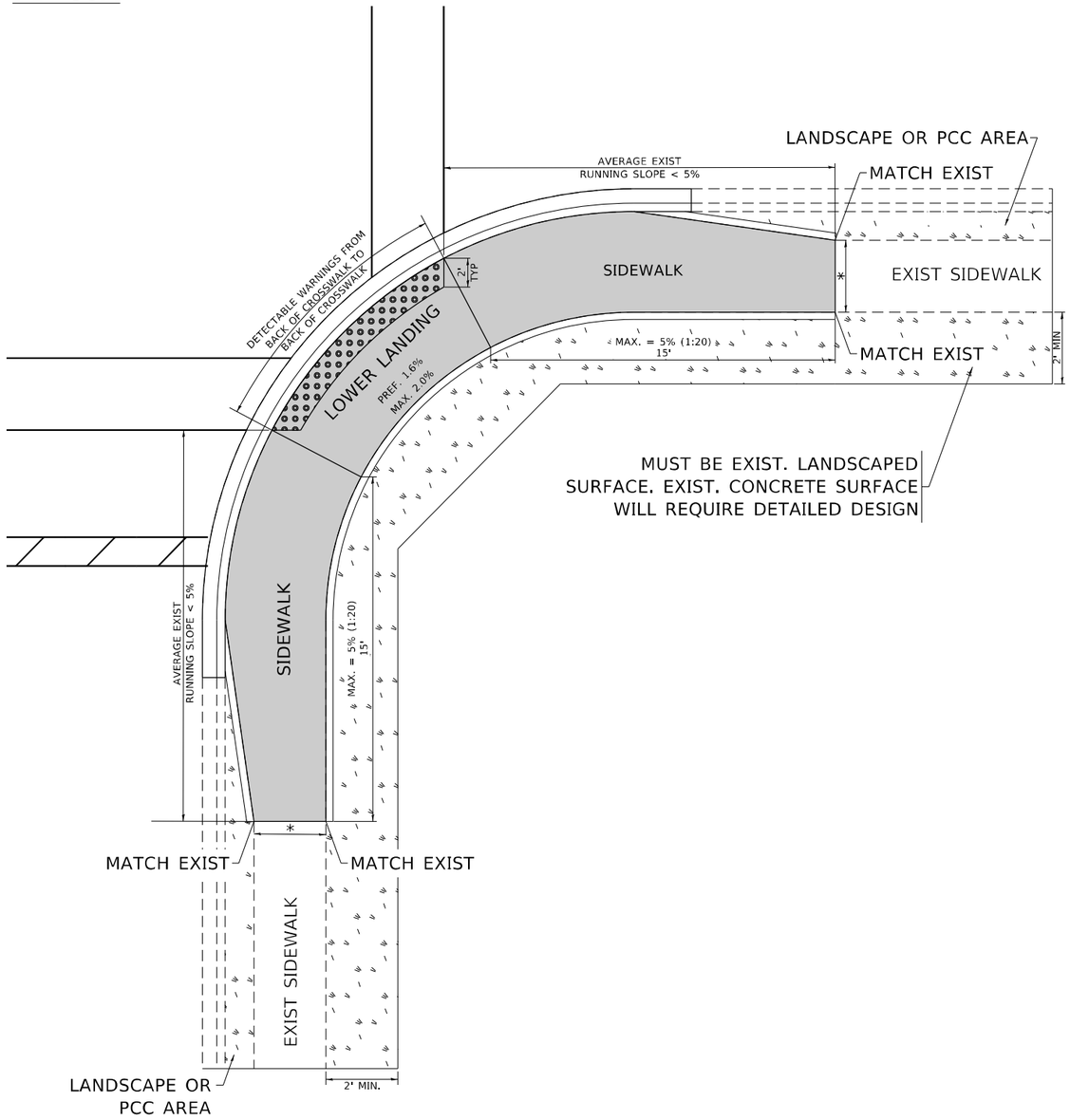
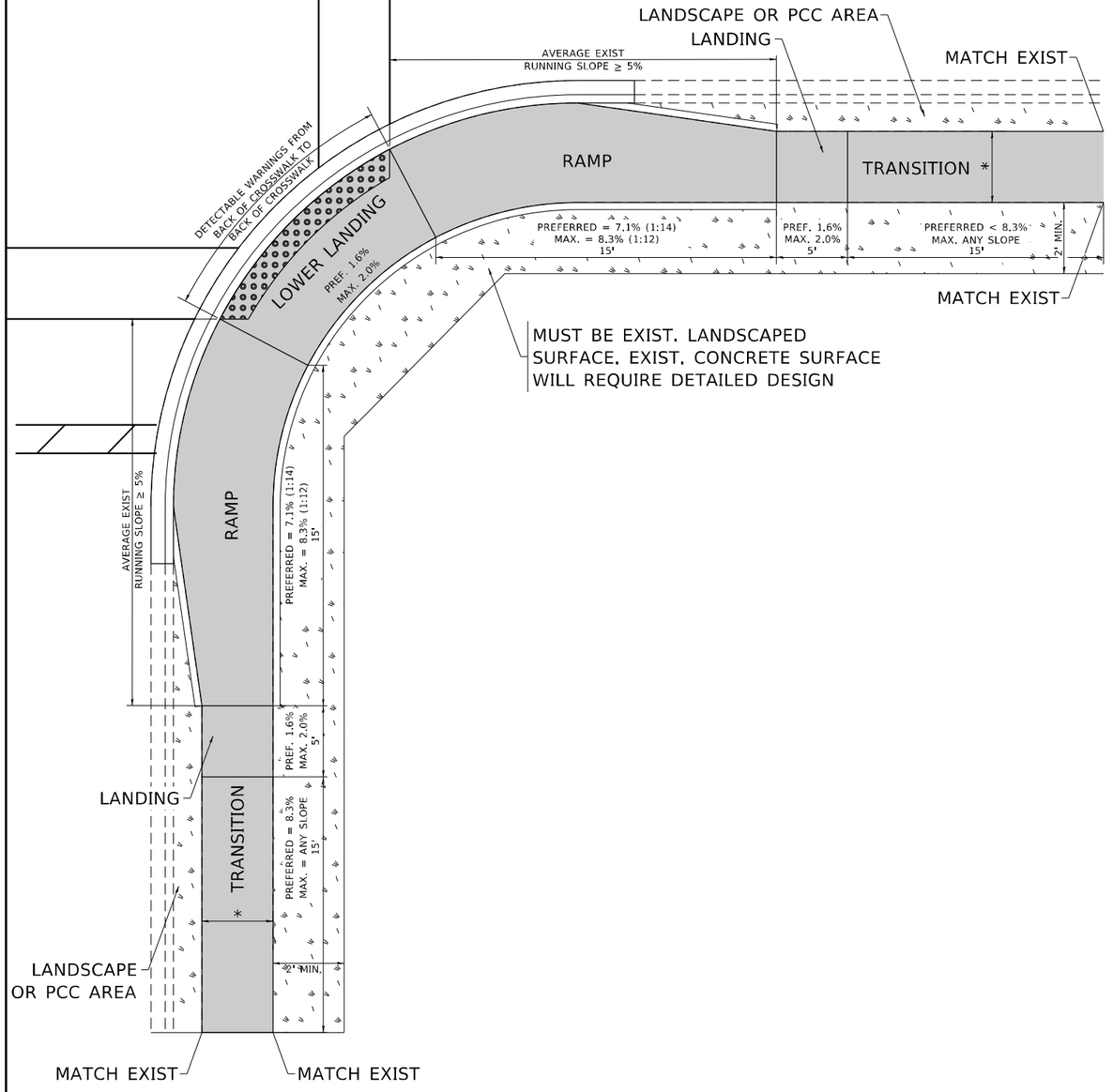
ADA DETAIL FOR PARALLEL CURB RAMPS ADJACENT TO LANDSCAPING

PD–06A



PD–06B



LEGEND

- PROPOSED SIDE CURB
- EXIST. GRASS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

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	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2022	DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR PARALLEL CURB RAMPS
(PD–06)

SCALE: NONE | SHEET OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	88
	PD-06	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

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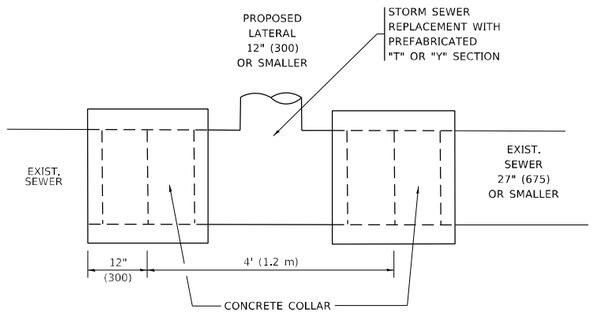
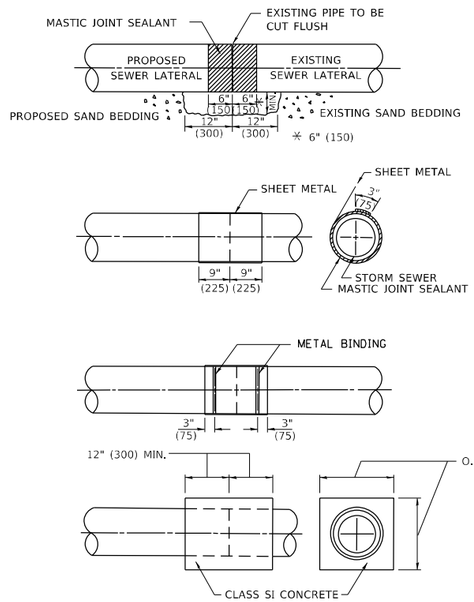


DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER

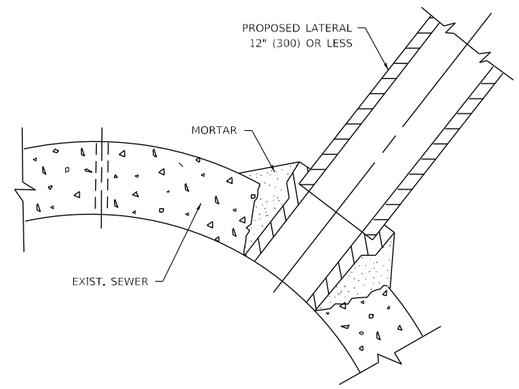


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
- A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
- B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

1. CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

2. CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

1. TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

2. REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

3. TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

4. CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

* ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	DRAWN -	REVISED - R. SHAH 10-25-94	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. SHAH 06-12-96	
PLOT DATE = 12/14/2022	DATE - 07-25-90	REVISED - K. SMITH 11-18-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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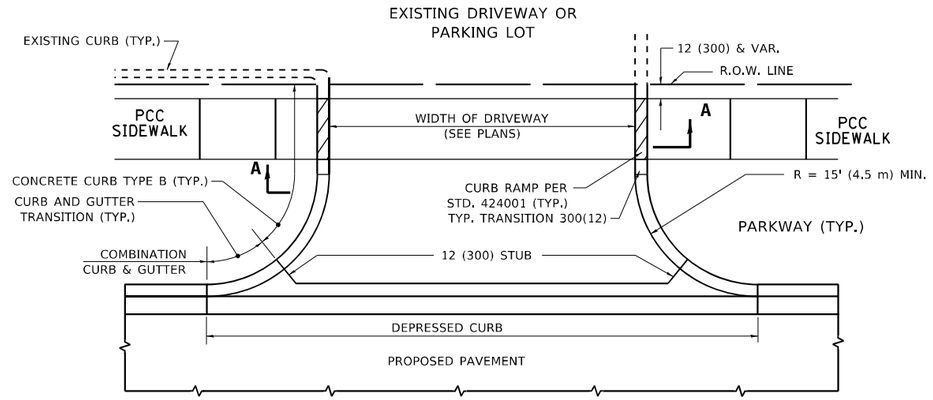
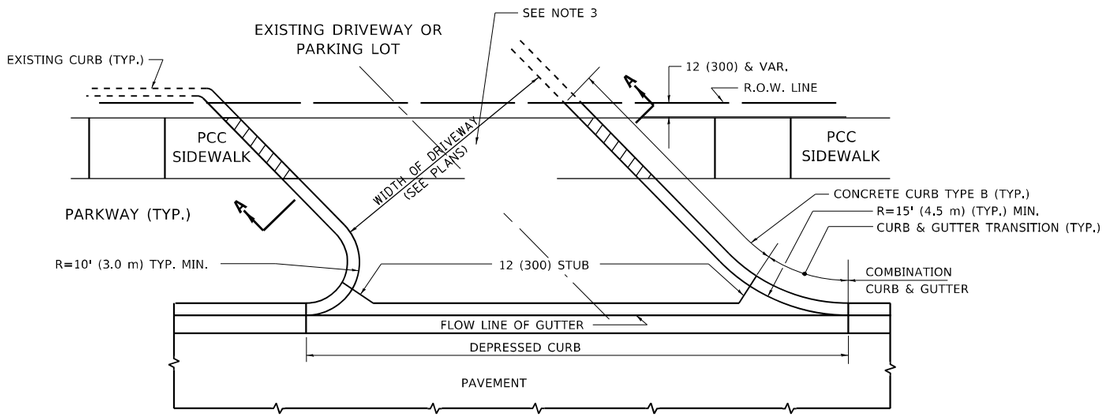
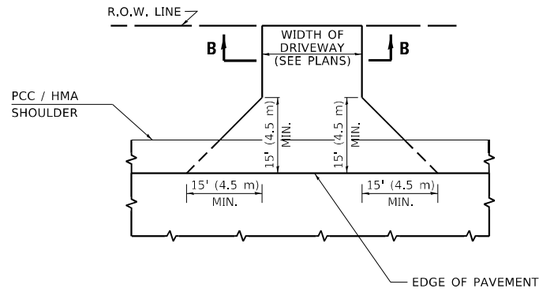
	BD500-01 (BD-07)	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			



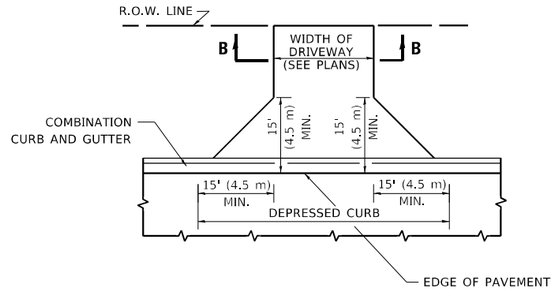
WITH CONCRETE CURB, TYPE B



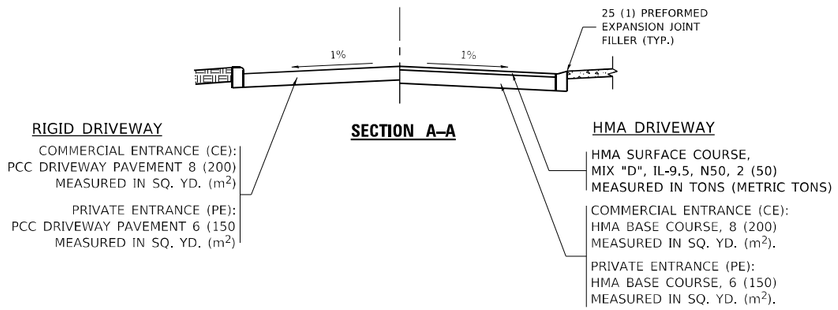
WITH CONCRETE CURB, TYPE B



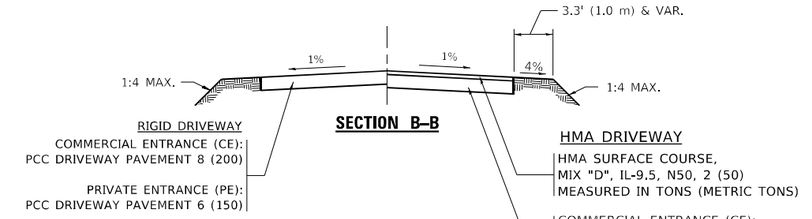
ADJACENT TO PCC /HMA SHOULDER



ADJACENT TO CURB AND GUTTER



SECTION A–A



SECTION B–B

GENERAL NOTES

1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

2. COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

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	DRAWN -	REVISED - R. BORO 09-06-11	
PLOT SCALE = 100.0378 ' / in.	CHECKED -	REVISED - K. SMITH 08-28-19	
PLOT DATE = 12/14/2022	DATE - 11-04-95	REVISED - K. SMITH 11-18-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥ 15'(4.5m)

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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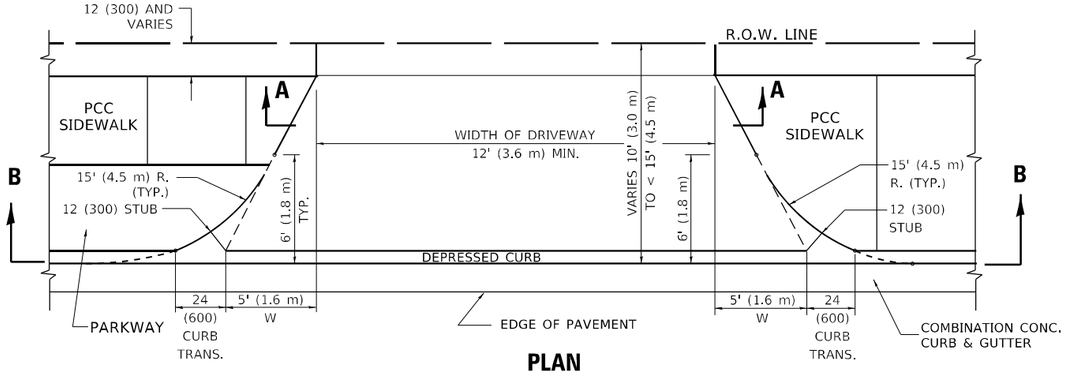
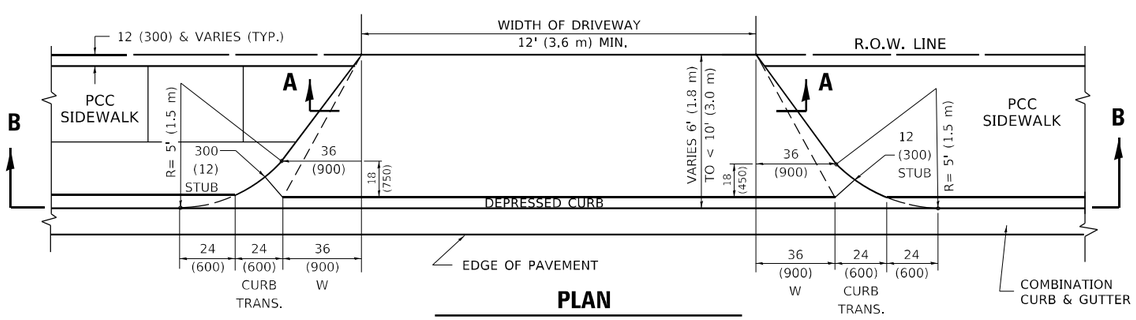
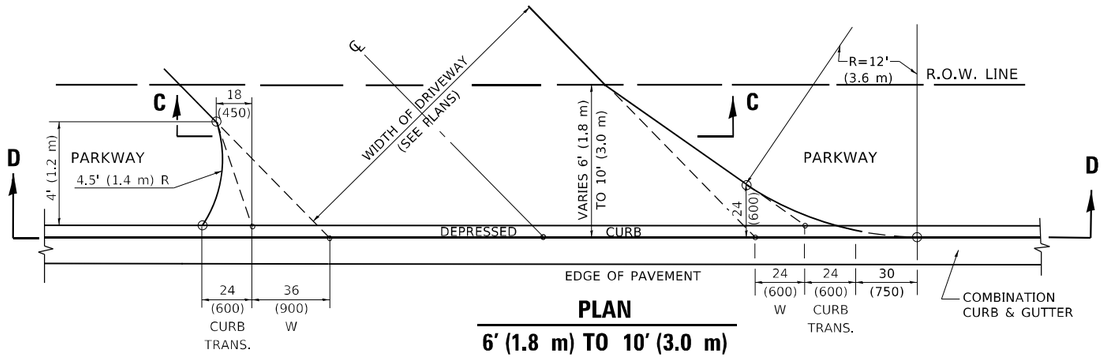
	BD400–01 (BD–01)	CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	



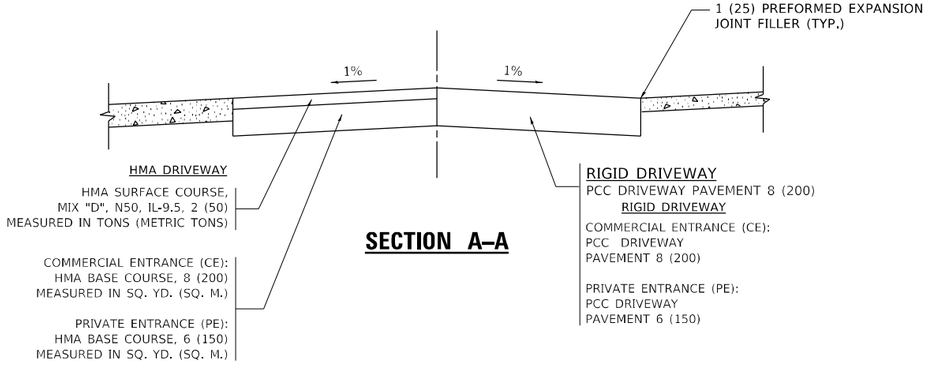
PLAN
10' (3.0 m) TO < 15' (4.5 m)



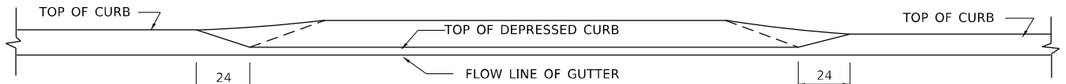
PLAN
6' (1.8 m) TO < 10' (3.0 m)



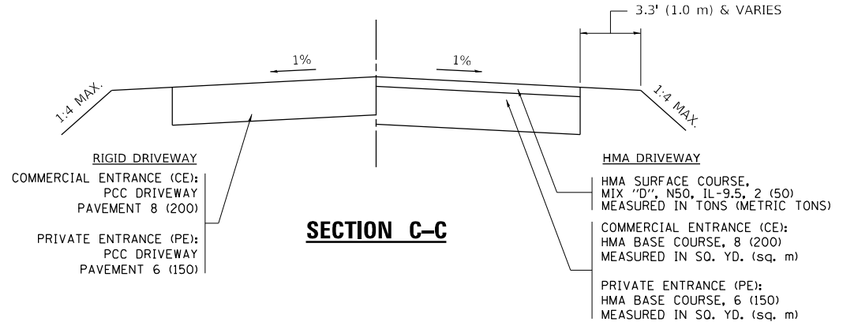
PLAN
6' (1.8 m) TO 10' (3.0 m)



SECTION A–A



SECTION B–B



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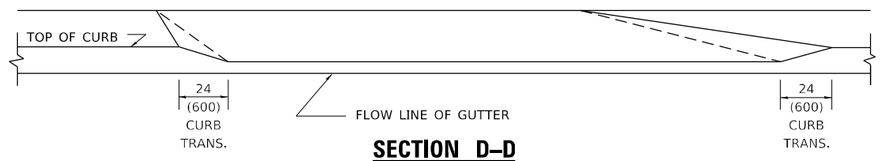

SECTION D–D

GENERAL NOTES

1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
2. WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
3. "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

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	DRAWN -	REVISED - R. BORO 09-06-11	
PLOT SCALE = 100.0355 ' / in.	CHECKED -	REVISED - K. SMITH 08-27-19	
PLOT DATE = 12/14/2022	DATE - 11-06-95	REVISED - K. SMITH 11-18-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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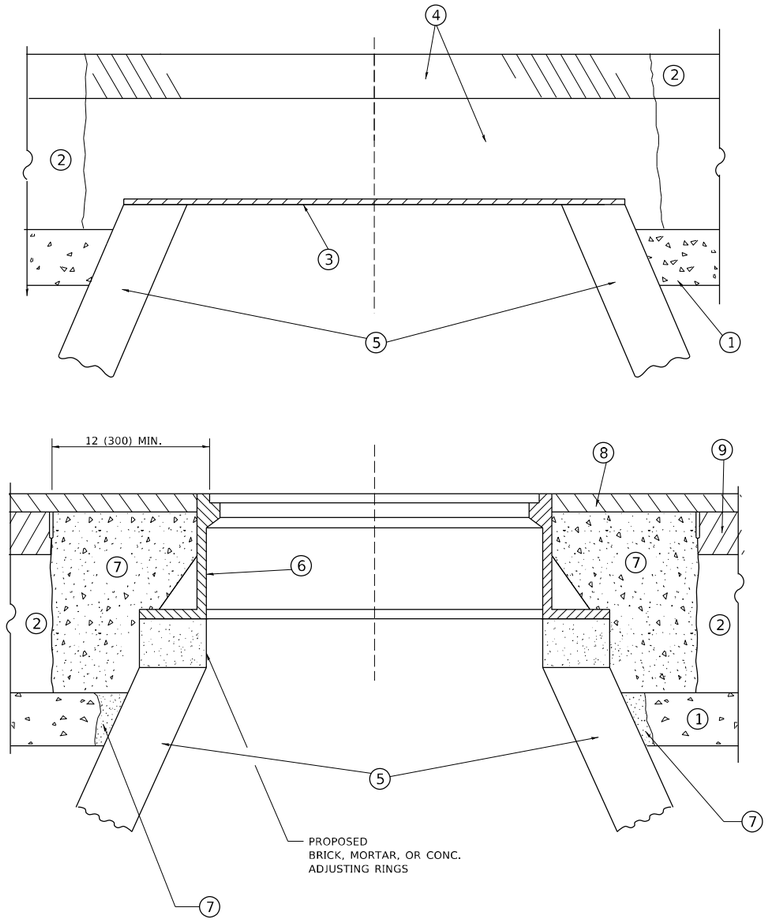
	BD400–02 (BD–02)	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			



DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

NOTES

1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.

B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.

C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.

D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 1 1/2 (40) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.

B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.

C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS*PP-1 CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

1. SUB-BASE GRANULAR MATERIAL
2. EXISTING PAVEMENT
3. 36 (900) DIAMETER METAL PLATE
4. PROPOSED CRUSHED STONE AND HMA SURFACE MIX
5. EXISTING STRUCTURE
6. FRAME AND LID (SEE NOTES)
7. CLASS*PP-1 CONCRETE
8. PROPOSED HMA SURFACE COURSE
9. PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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	DRAWN -	REVISED - R. BORO 03-09-11	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 12-06-11	
PLOT DATE = 12/14/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

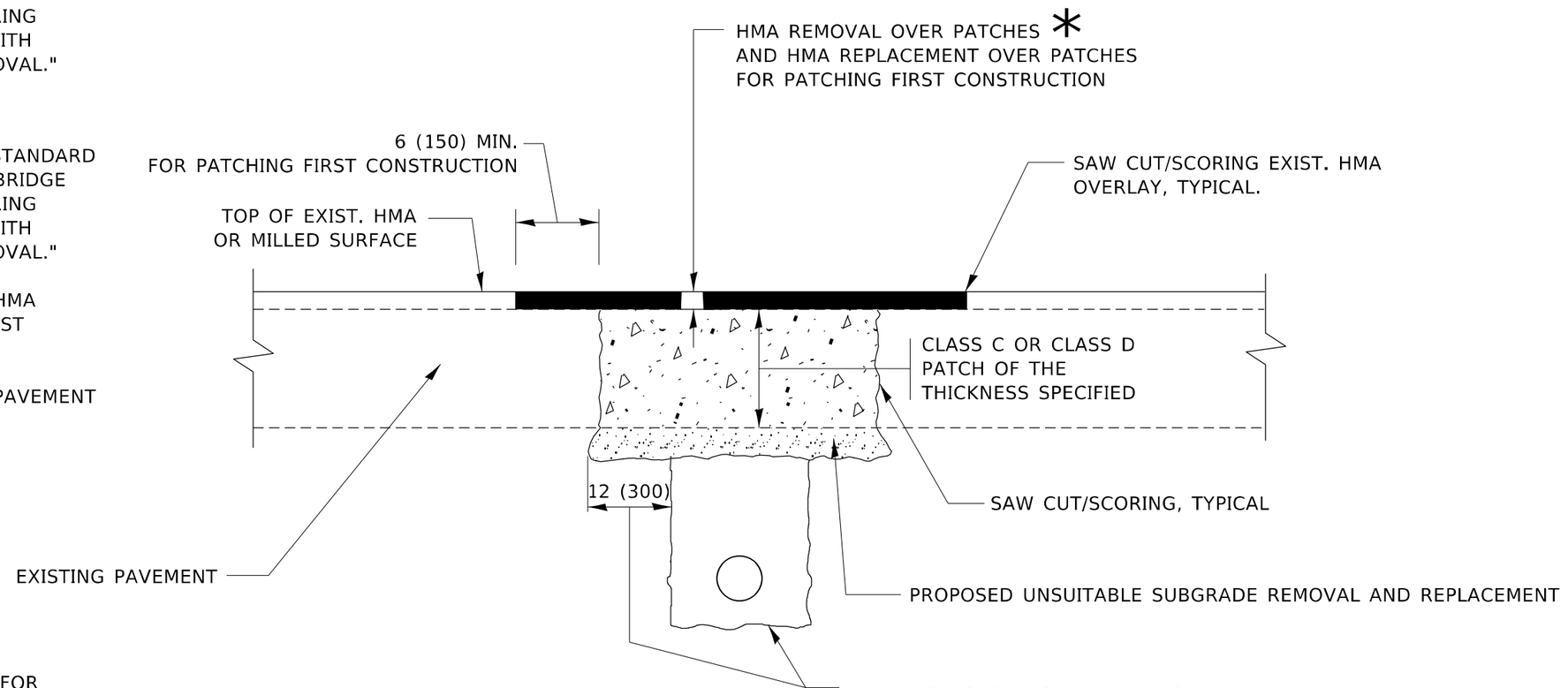
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	92
	BD600-03 (BD-08)	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. ENG 10-27-08	
PLOT DATE = 12/14/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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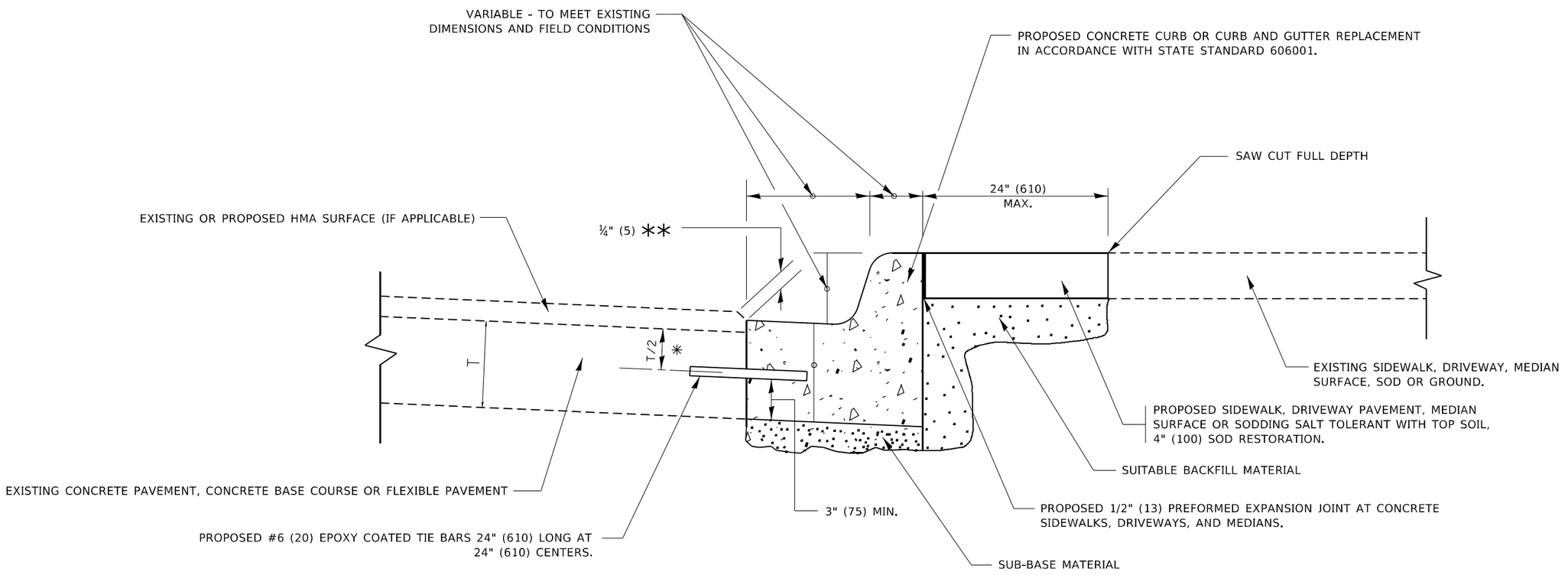
	BD400-04 (BD-22)	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	DRAWN -	REVISED - M. GOMEZ 01-22-01	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09	
PLOT DATE = 12/14/2022	DATE - 03-11-94	REVISED - K. SMITH 07-11-19	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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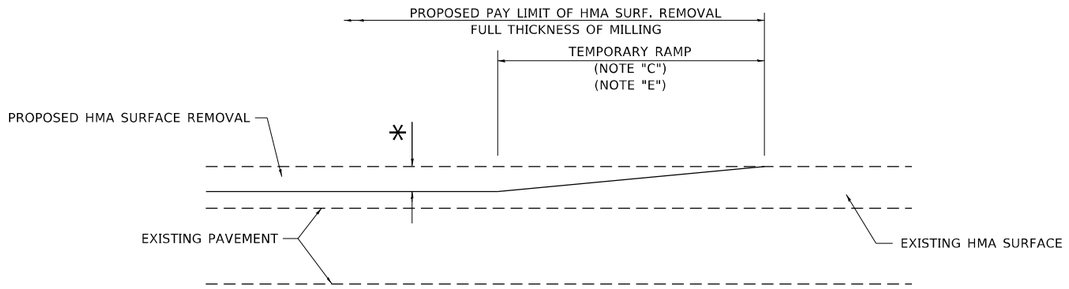
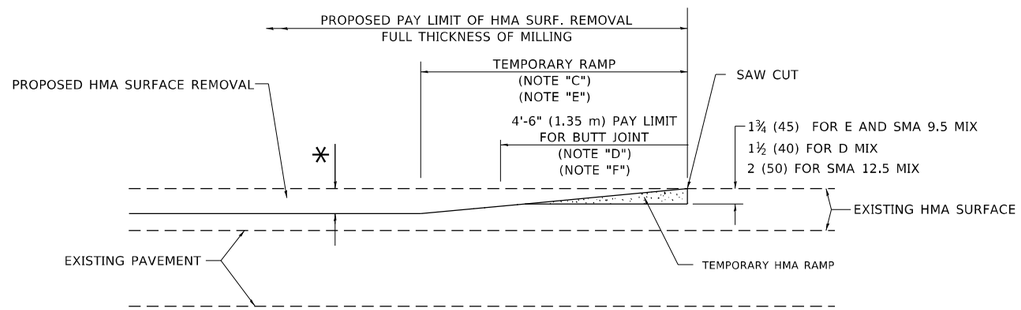
	BD600–06 (BD–24)	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

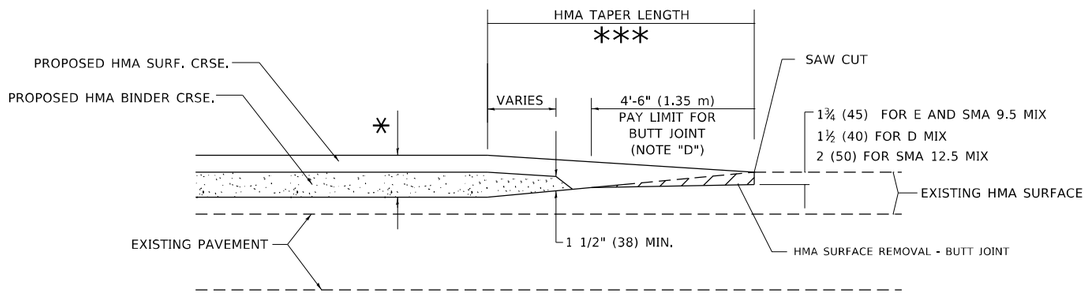


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

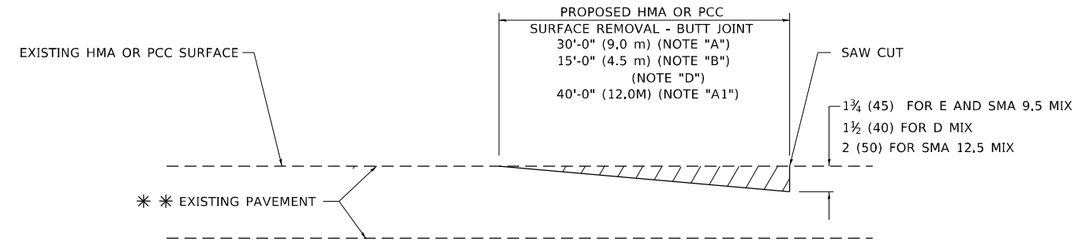
OPTION 2

TYPICAL TEMPORARY RAMP

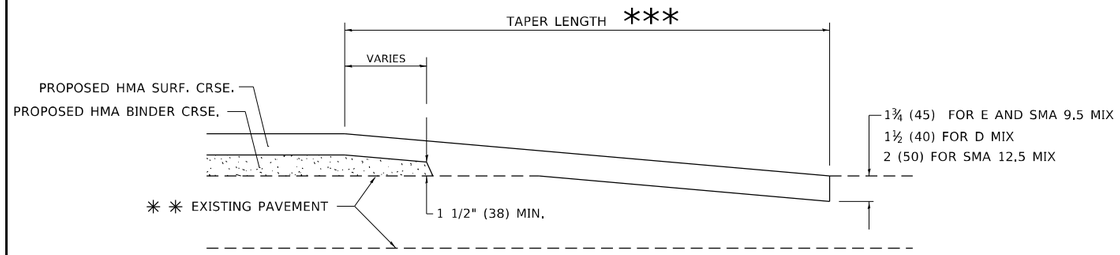


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.

A1. INTERSTATES

B. MINOR SIDE ROADS.

C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = Addis.Abebaw	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97	
	DRAWN -	REVISED - M. GOMEZ 04-06-01	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07	
PLOT DATE = 12/14/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	110	95
	BD400-05 BD-32	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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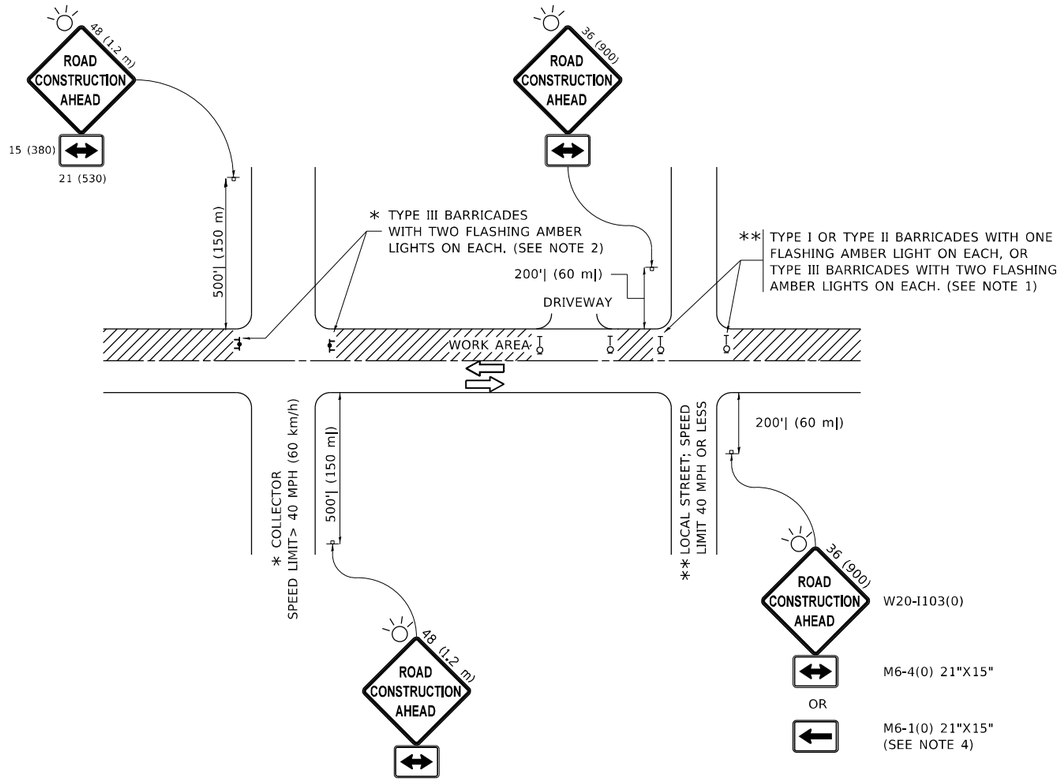

NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = Addis.Abebaw	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 12/14/2022	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	96
	TC-10	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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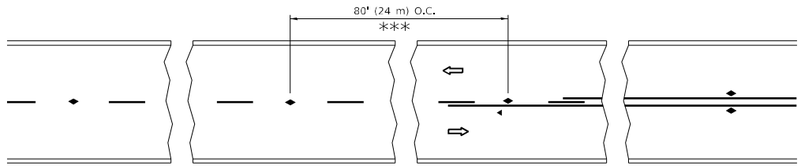
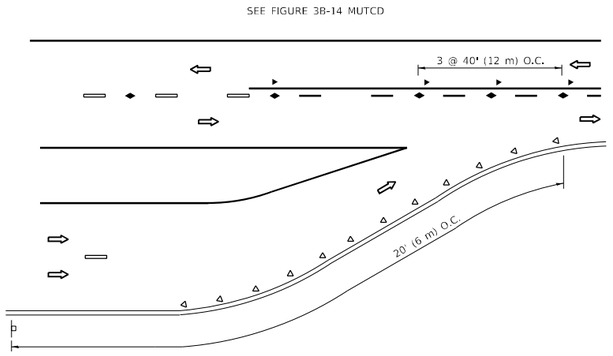


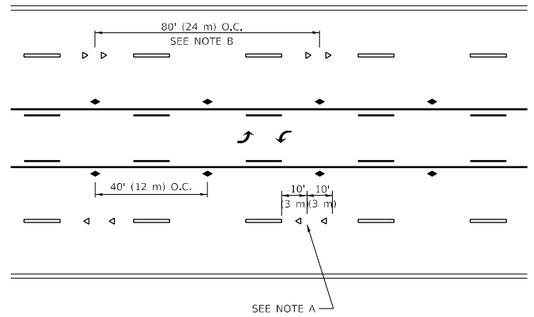
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO–LANE/TWO–WAY

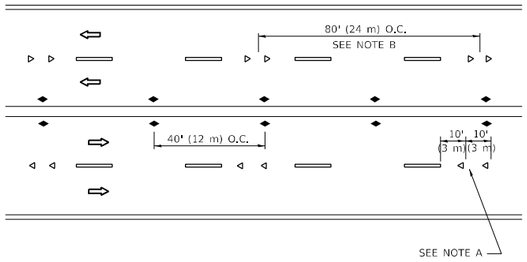
SEE FIGURE 3B-14 MUTCD



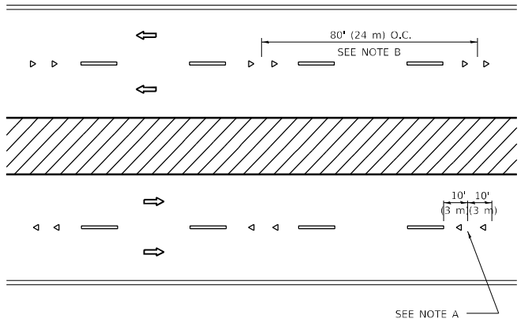
LANE REDUCTION TRANSITION



TWO–WAY LEFT TURN



MULTI–LANE/UNDIVIDED



MULTI–LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

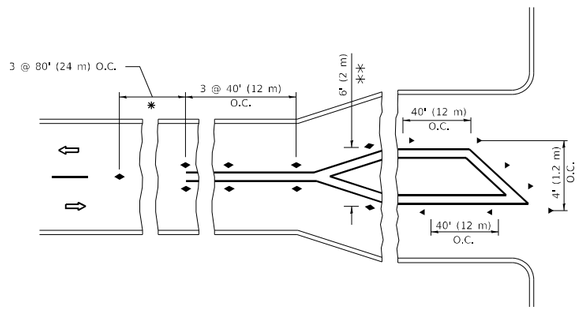
LANE MARKER NOTES

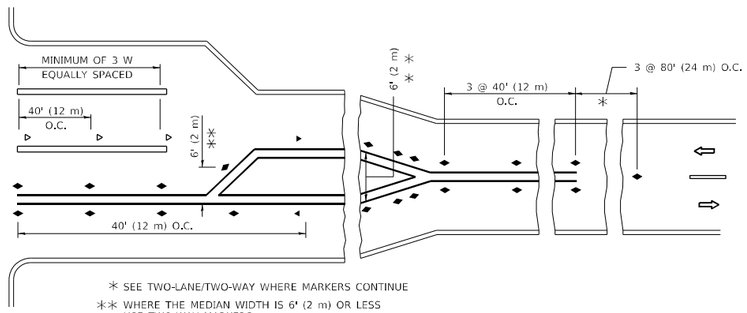
A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.





* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

TURN LANES

All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = Addis.Abebaw	DESIGNED -	REVISED - T. RAMMACHER 03-12-99	
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09	
PLOT DATE = 12/14/2022	DATE -	REVISED - C. JUCIUS 07-01-13	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW–PLOW RESISTANT)

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	97
	TC-11	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

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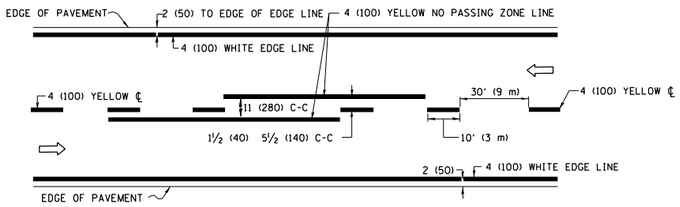
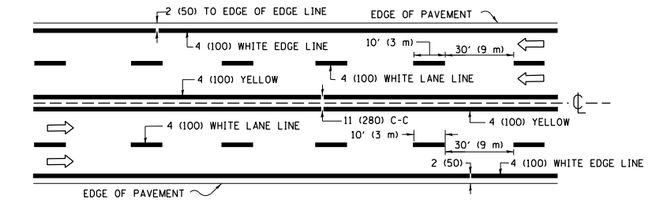
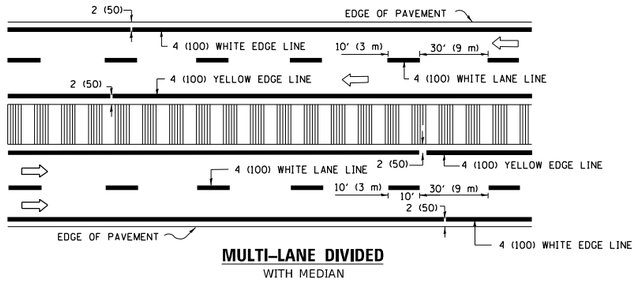


2–LANE ROADWAY

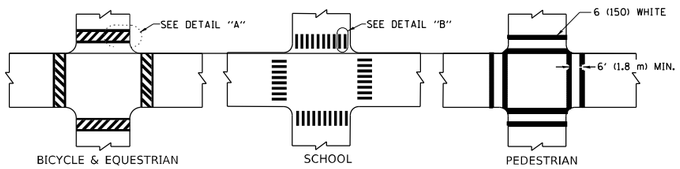


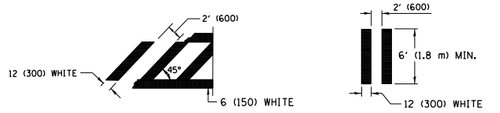
MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

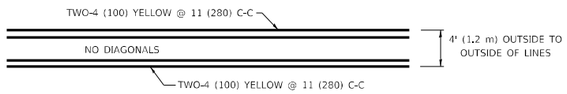




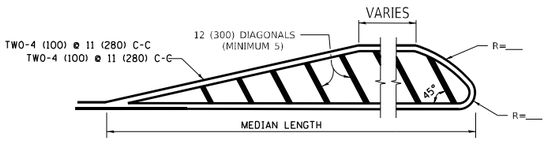
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

✳ MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



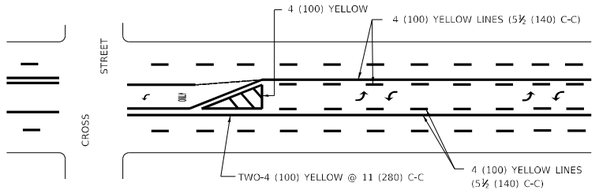
4' (1.2 m) WIDE MEDIANS ONLY



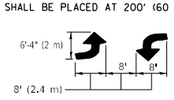
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

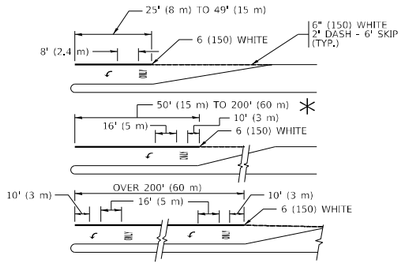


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

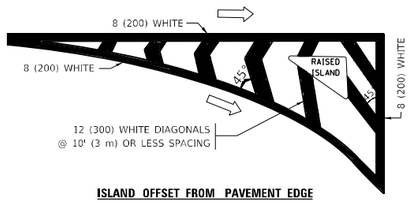


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m ²

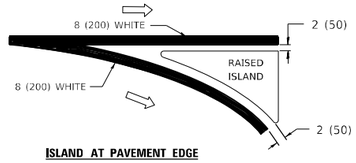
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

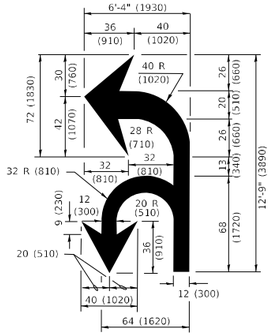


ISLAND OFFSET FROM PAVEMENT EDGE

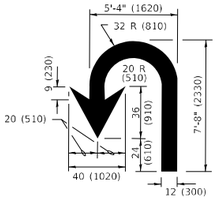


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

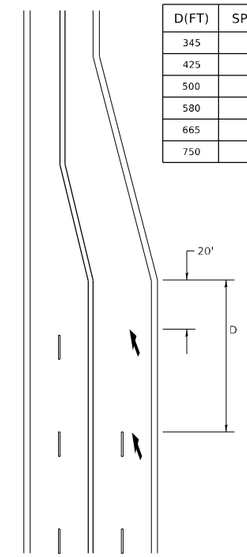


COMBINATION LEFT AND U–TURN



U–TURN

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55



LANE REDUCTION TRANSITION

✳ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH: 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ² EACH "X"=54.0 SQ. FT. (5.0 m ²
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: Default
FILE NAME: pw:\\dist-pw.bentley.com:PWDOT\Documents\IDOT Offices\District 1\Projects\P125413\C4D\Data\Design\Dist Std.dgn

USER NAME = Addis.Abebaw	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	
	DRAWN -	REVISED - C. JUCIUS 07-01-13	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15	
PLOT DATE = 12/14/2022	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	98
	TC–13	CONTRACT NO. 62J30		
		ILLINOIS FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

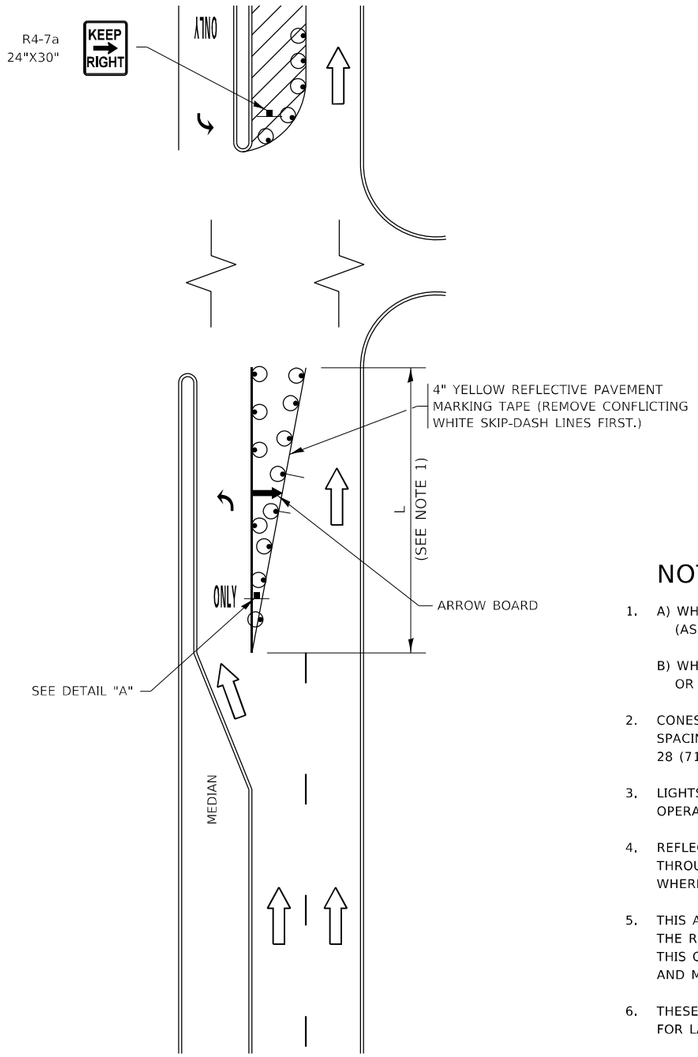


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.

2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.

4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.

5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.

8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

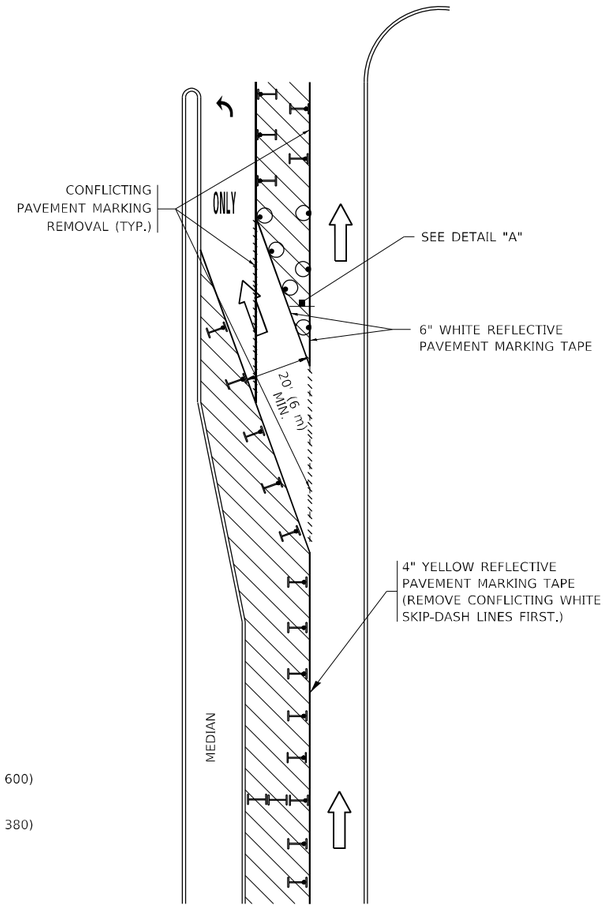
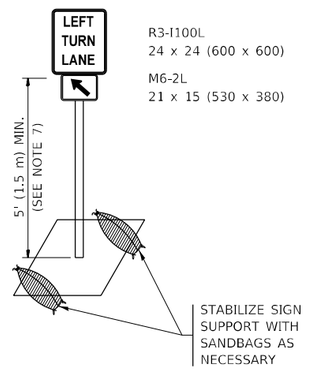


FIGURE 2



DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

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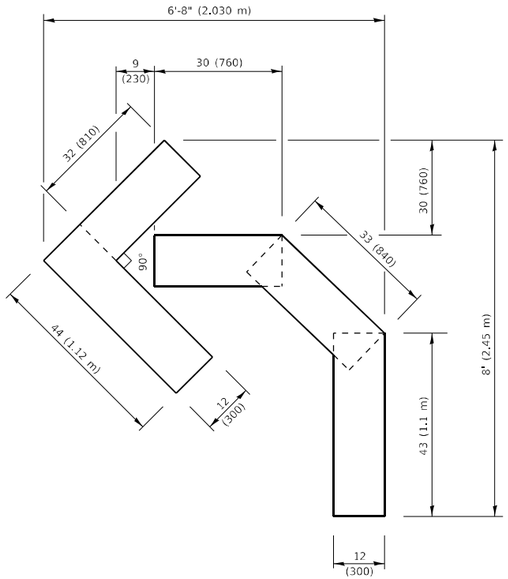
USER NAME = Addis.Abebaw	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 100.0000 ' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16	
PLOT DATE = 12/14/2022	DATE - T. RAMMACHER 01-06-00	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)

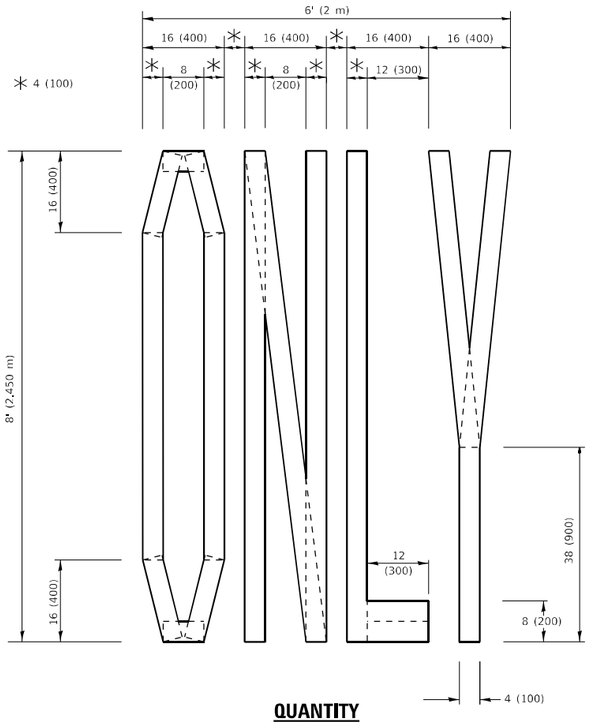
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	99
	TC-14	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			



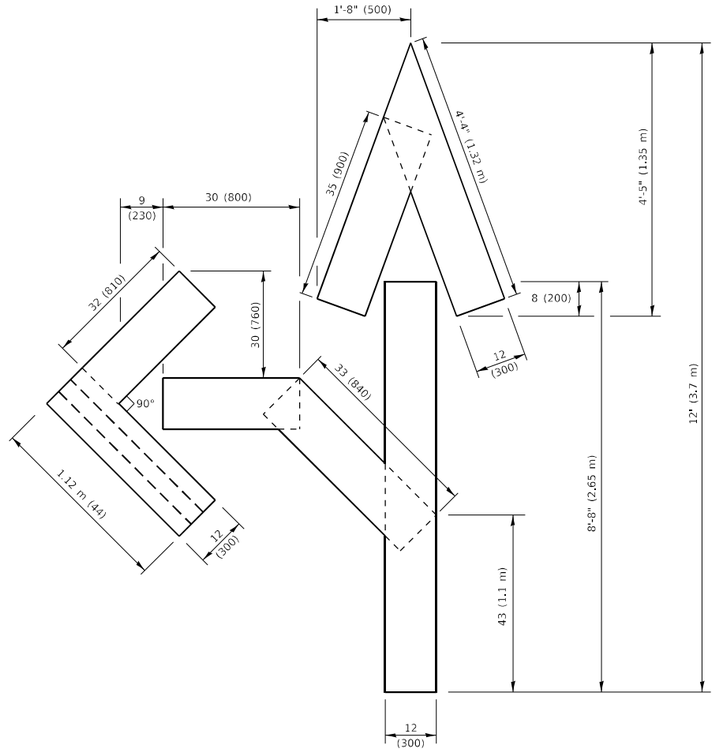
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

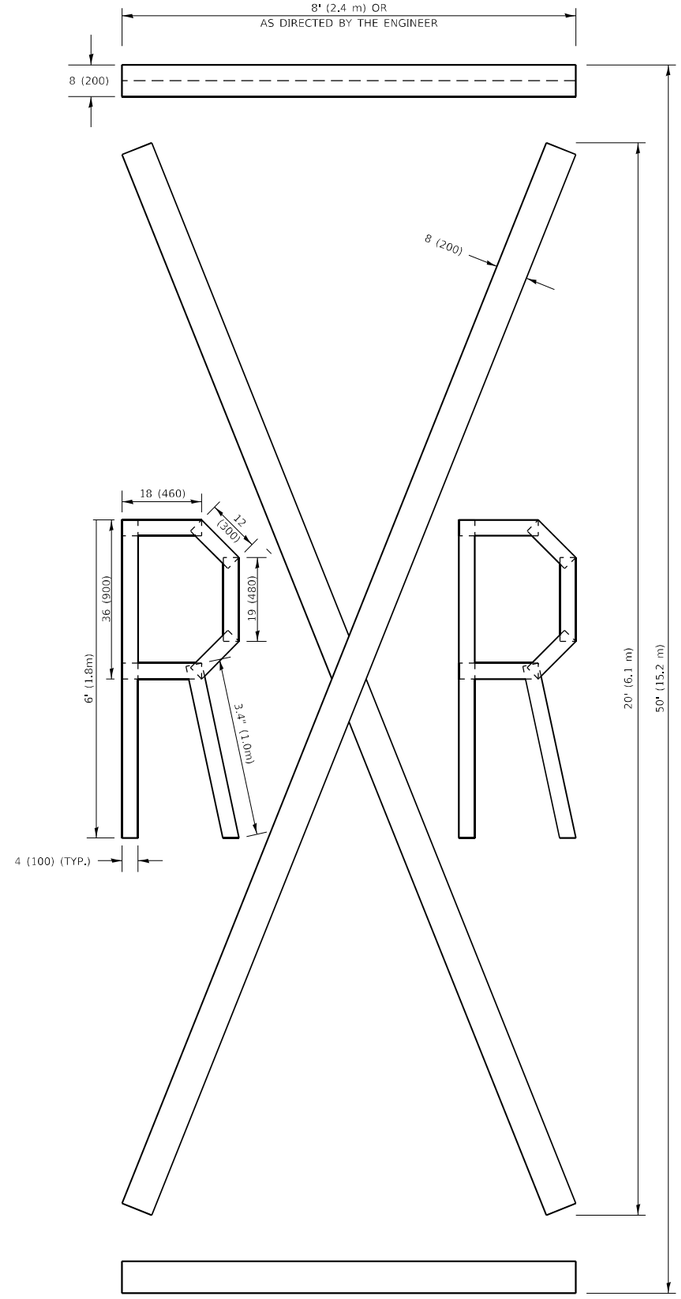


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: Default
FILE NAME: pw:\\Bidtool-pw.bentley.com:PWIBDT\Documents\IDOT Offices\District 1\Projects\P125113\CADData\Design\DistSht.dgn

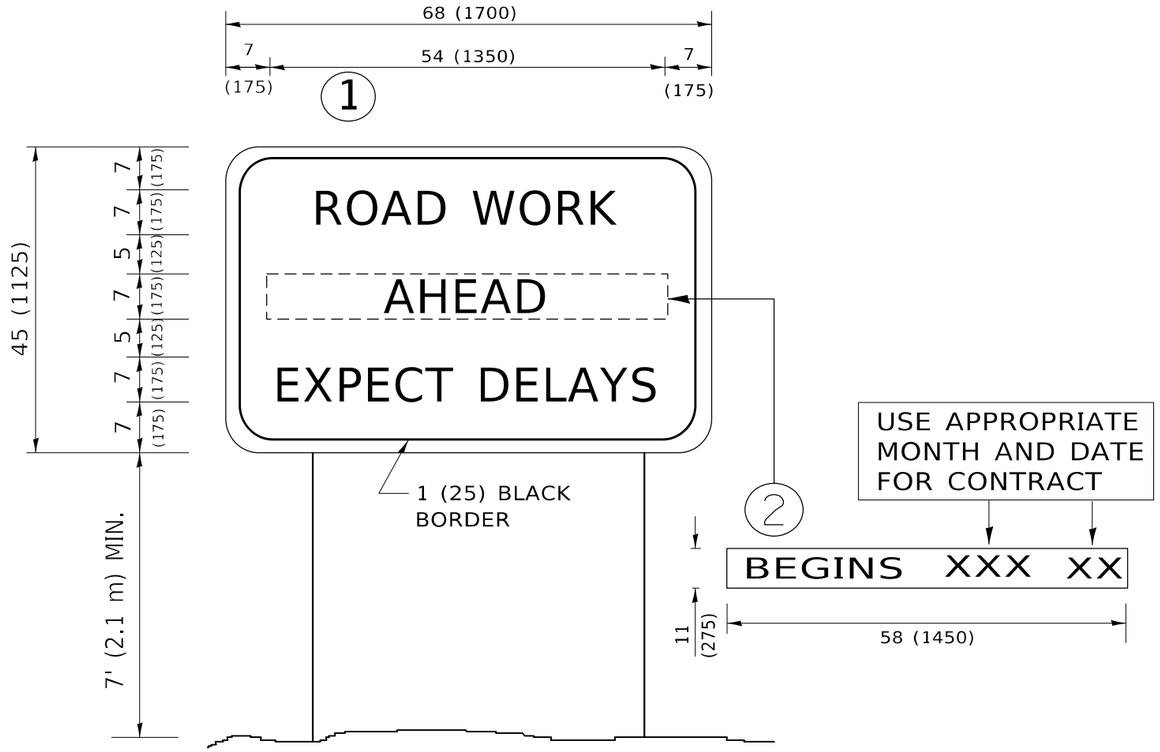
USER NAME = Addis,Abebaw	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 100.0010 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 12/14/2022	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	100
	TC-16	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: Default
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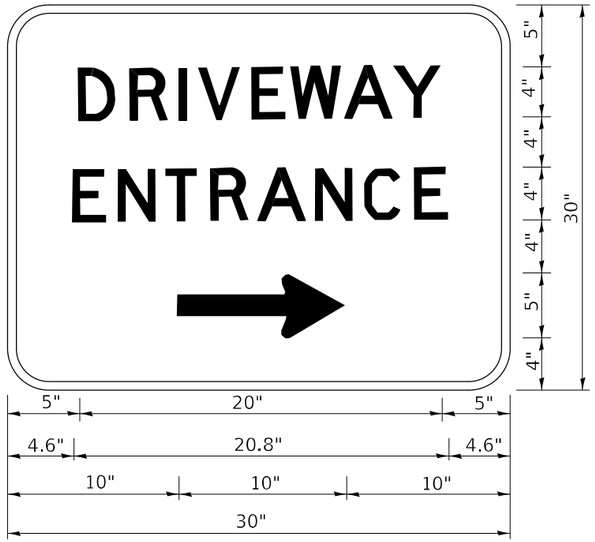
USER NAME = Addis.Abebaw	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 12/14/2022	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	101
	TC-22	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

MODEL: Default
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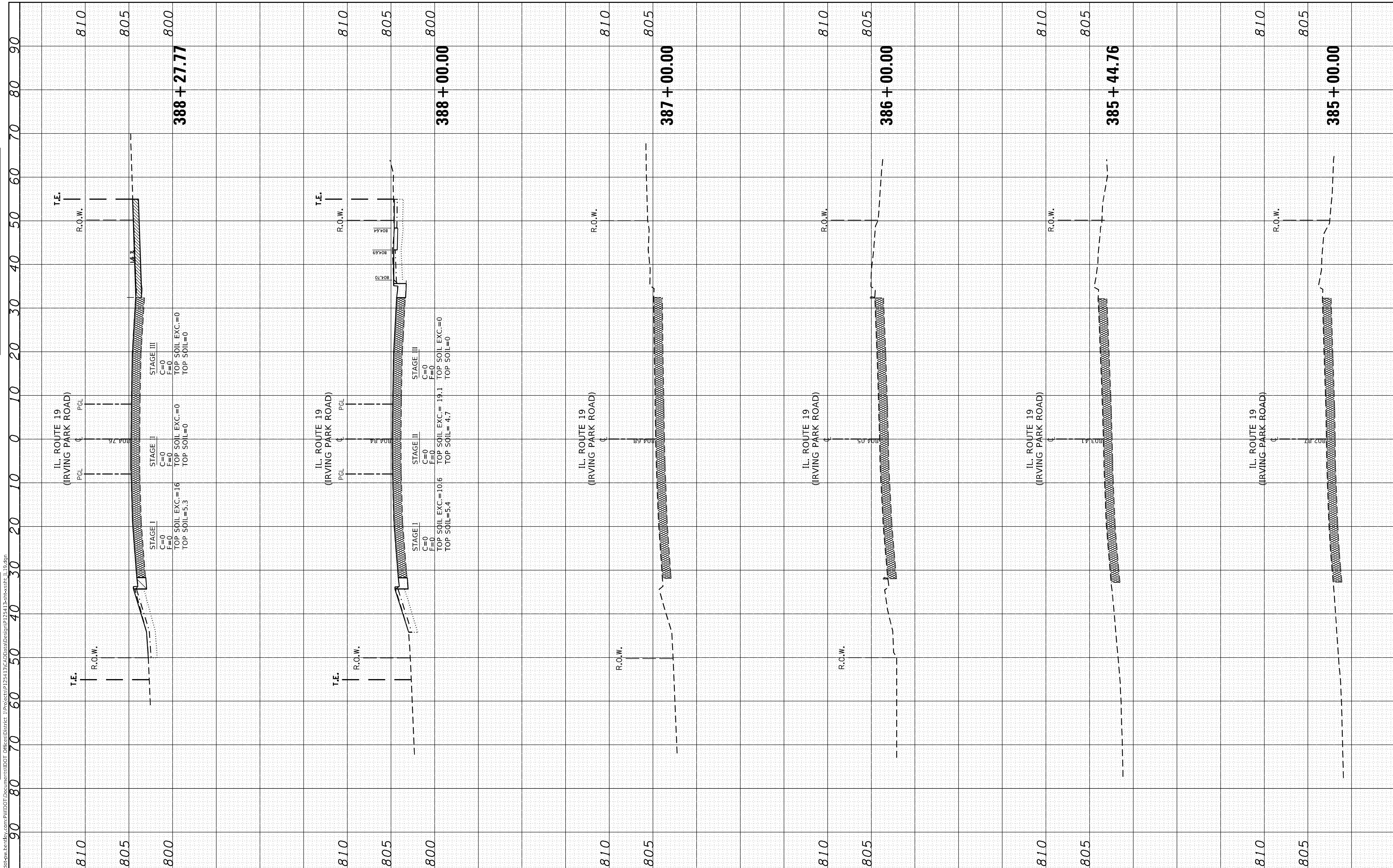
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/14/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	102
	TC–26	CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			



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	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL. ROUTE 19 (IRVING PARK ROAD)

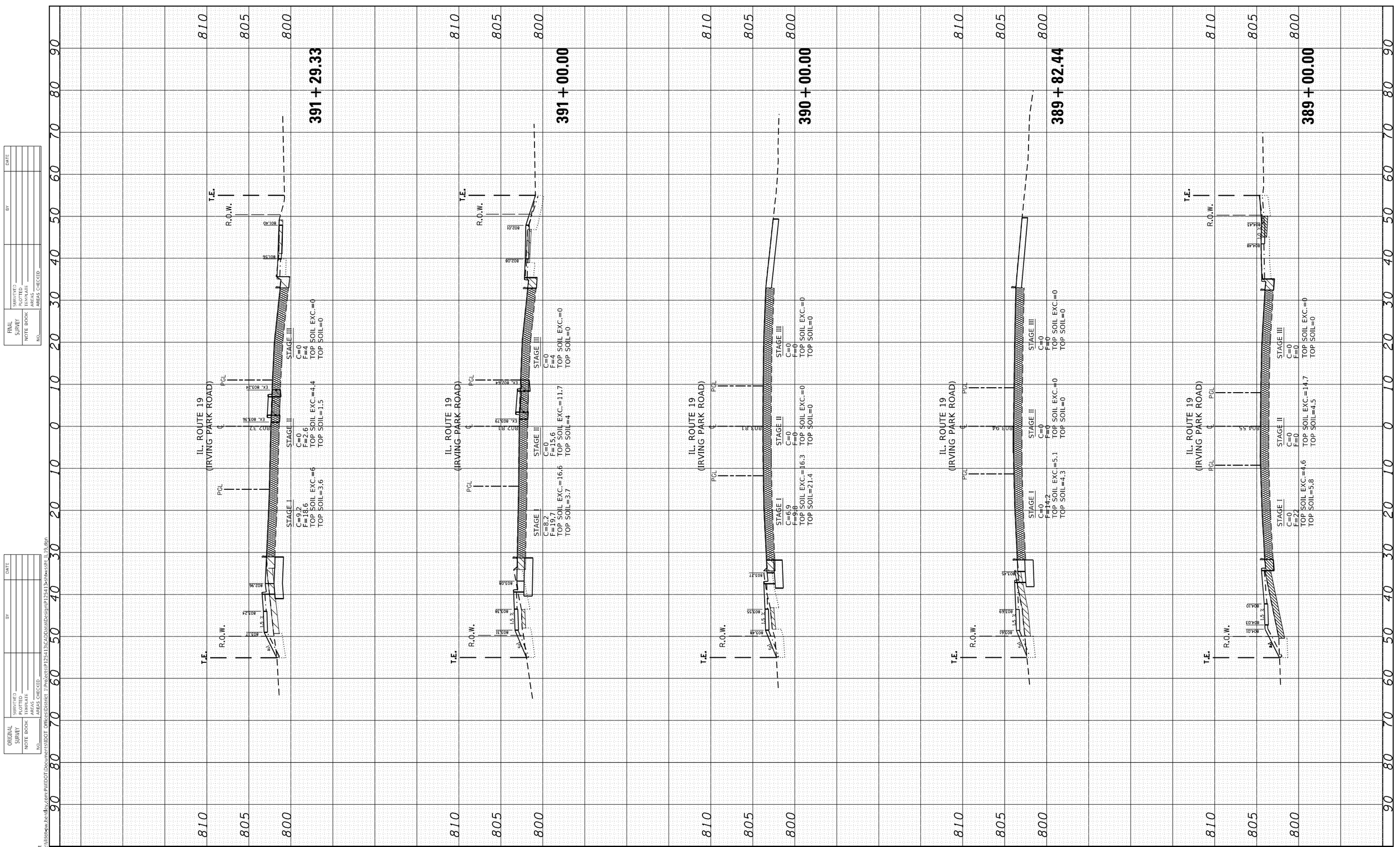
SCALE: SHEET OF SHEETS STA. 385+00.00 TO STA. 388+27.77

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	103

CONTRACT NO. 62J30

ILLINOIS FED. AID PROJECT

MODEL: Default



USER NAME = Addis,Abebaw	DESIGNED -	REVISED -	**STATE OF ILLINOIS**
	DRAWN -	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	**CROSS SECTIONS**
PLOT DATE = 12/14/2022	DATE -	REVISED -	**IL. ROUTE 19 (IRVING PARK ROAD)**

SCALE: | SHEET OF SHEETS | STA. 389+00.00 | TO STA. 391+29.33

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	104
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

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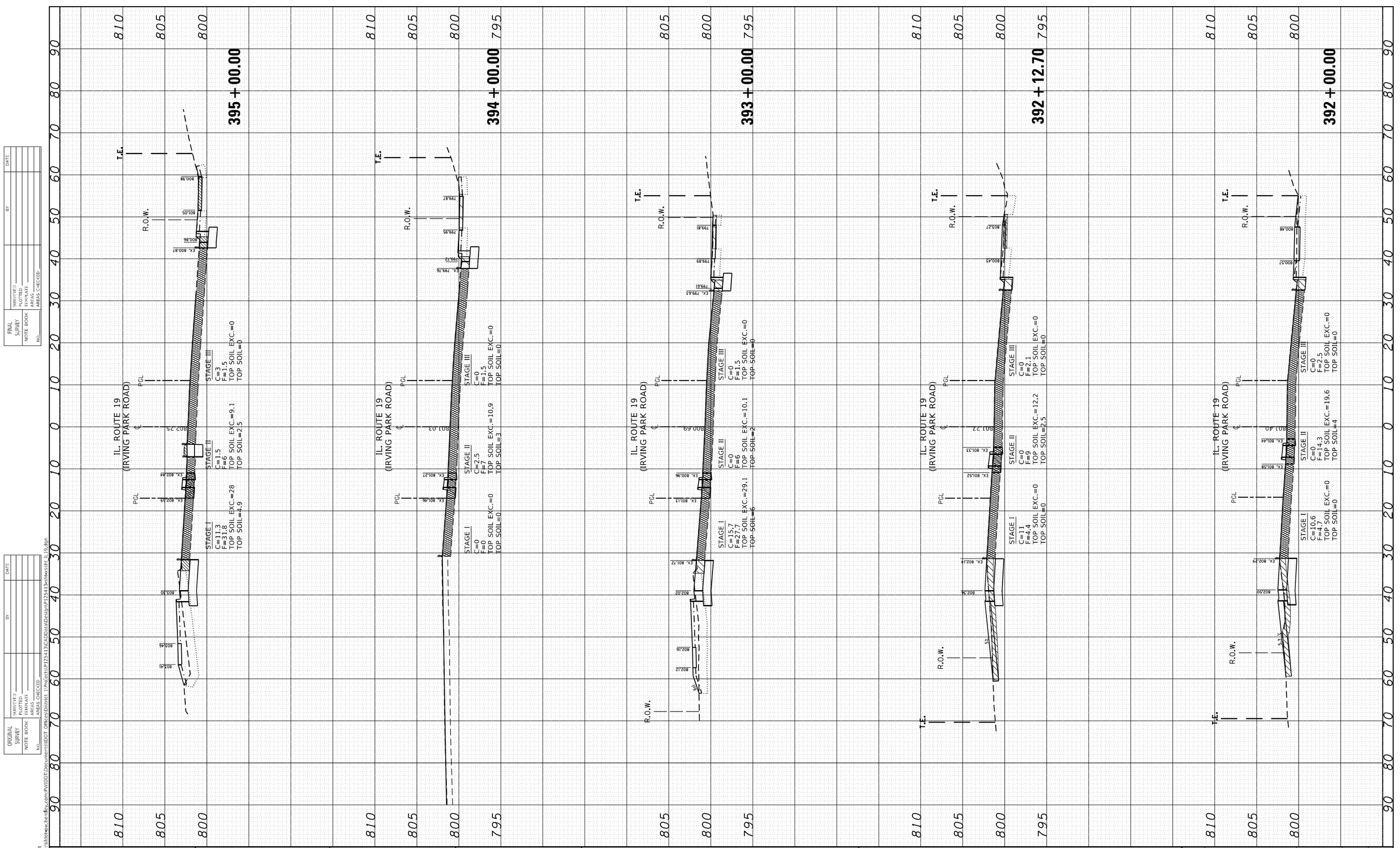

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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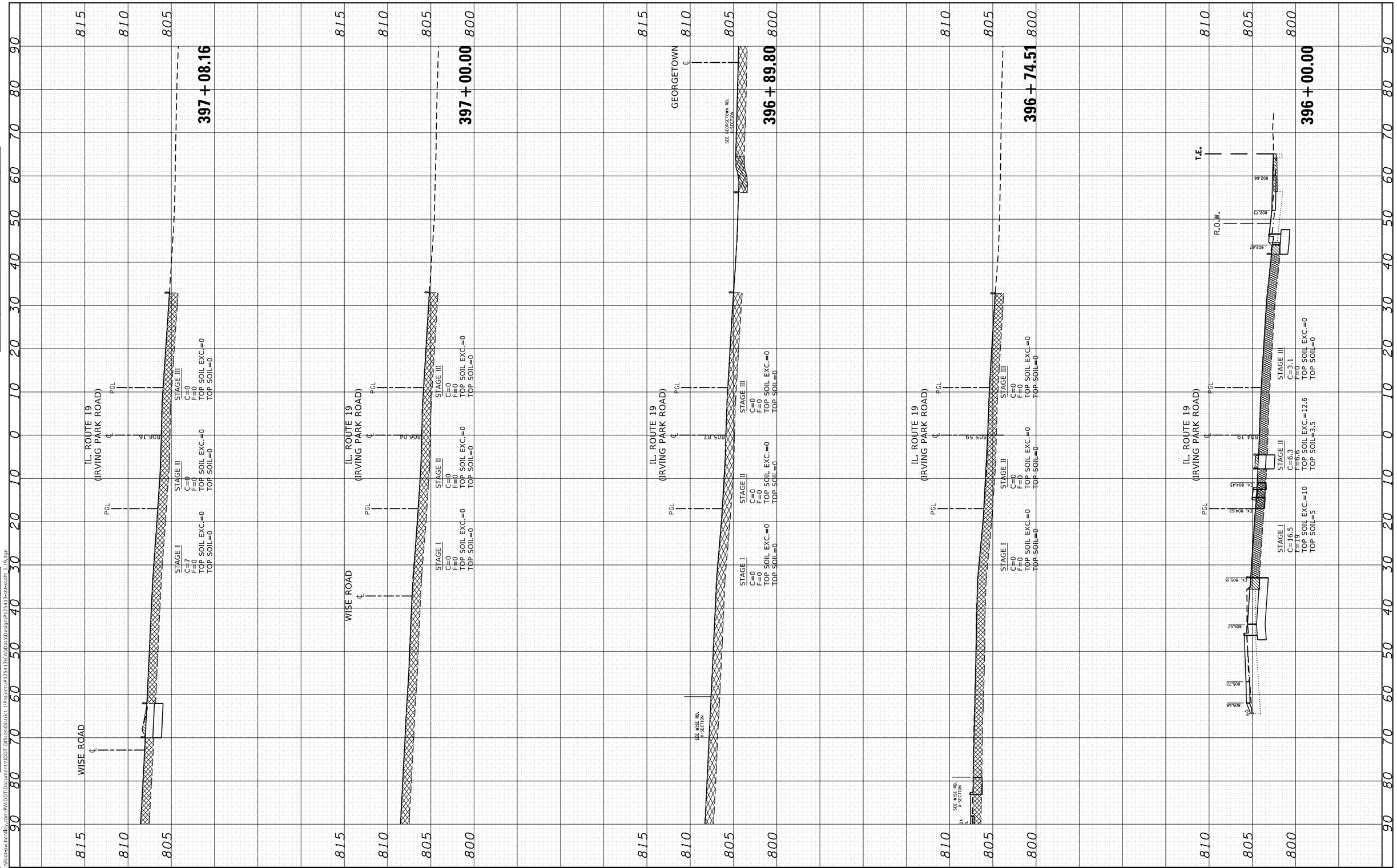
USER NAME = Addis.Abebaw	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL. ROUTE 19 (IRVING PARK ROAD)

SCALE: | SHEET OF SHEETS | STA. 392+00.00 | TO STA. 395+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	20190055-TS	COOK	112	105
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		



USER NAME = Addis.Abebaw	DESIGNED -	REVISED -	**STATE OF ILLINOIS**
	DRAWN -	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/14/2022	DATE -	REVISED -	

CROSS SECTIONS
IL. ROUTE 19 (IRVING PARK ROAD)

SCALE: | SHEET OF SHEETS | STA. 396+00.00 | TO STA. 397+08.16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	~~2019-085-R5~~	COOK	112	106
		CONTRACT NO. 62J30		
	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY / FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

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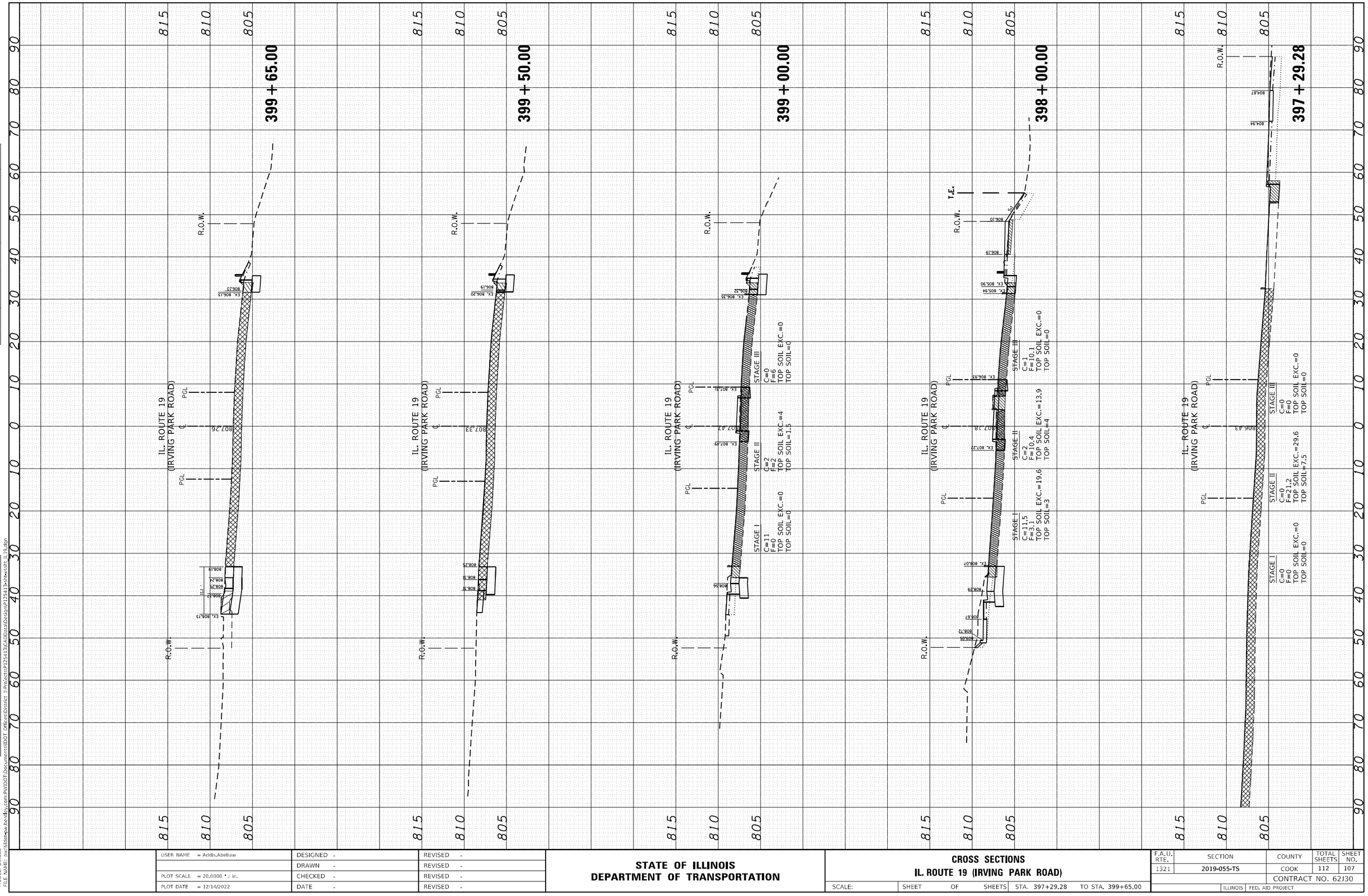

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

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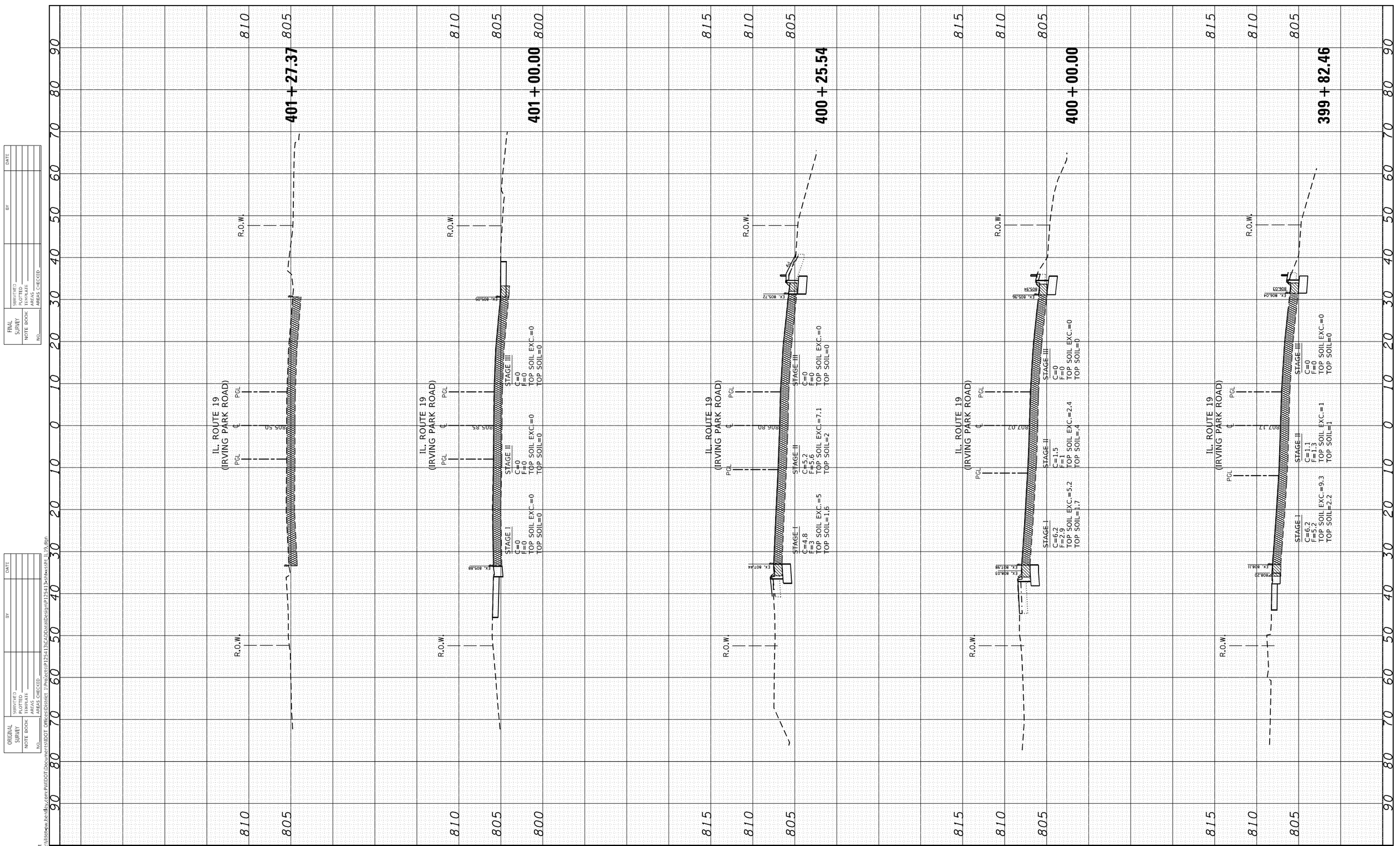
	DRAWN -	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/14/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL. ROUTE 19 (IRVING PARK ROAD)

SCALE: | SHEET OF SHEETS | STA. 397+29.28 | TO STA. 399+65.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	107
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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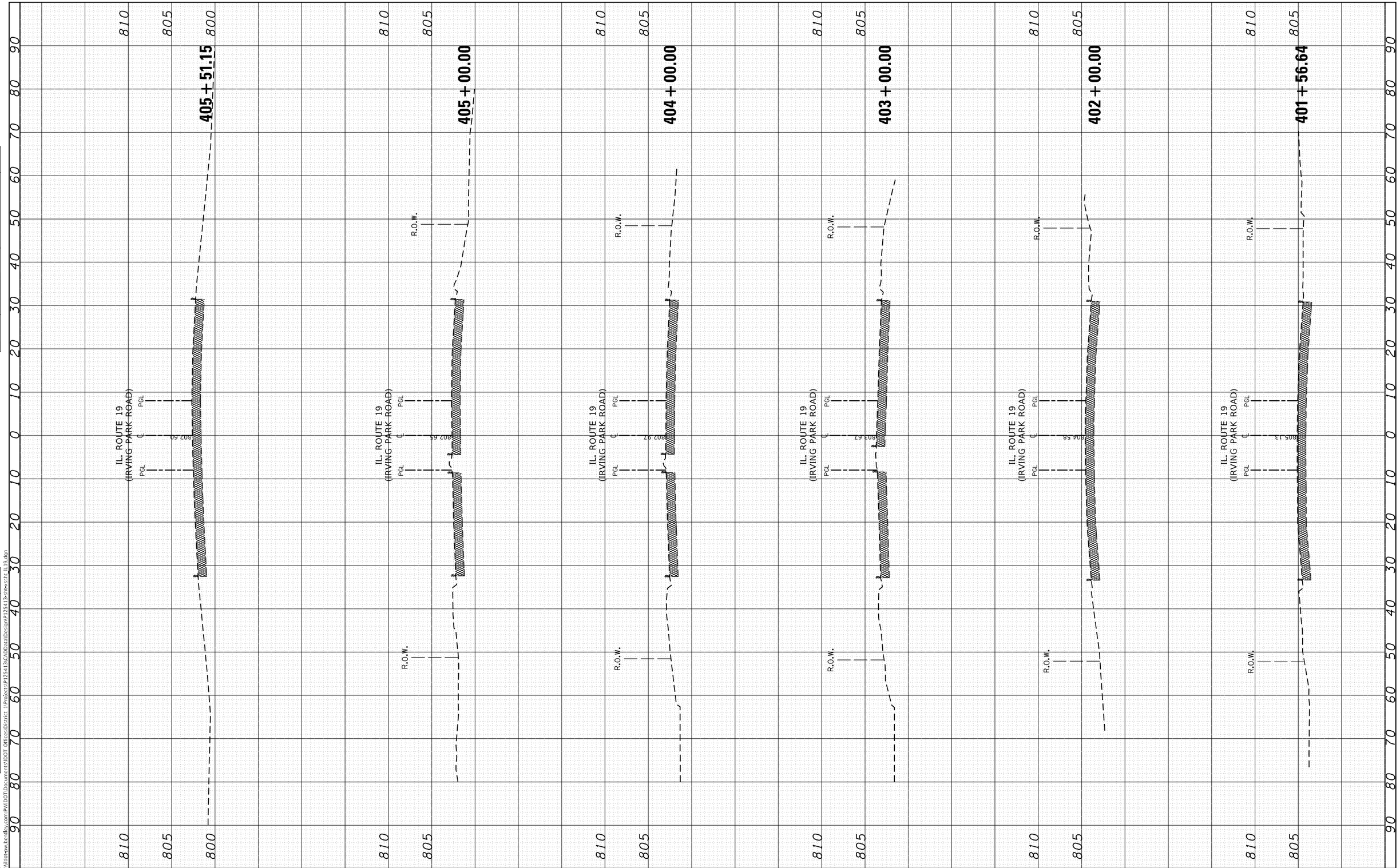
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL. ROUTE 19 (IRVING PARK ROAD)

SCALE: | SHEET OF SHEETS | STA. 399+82.46 | TO STA. 401+27.37

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	108
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

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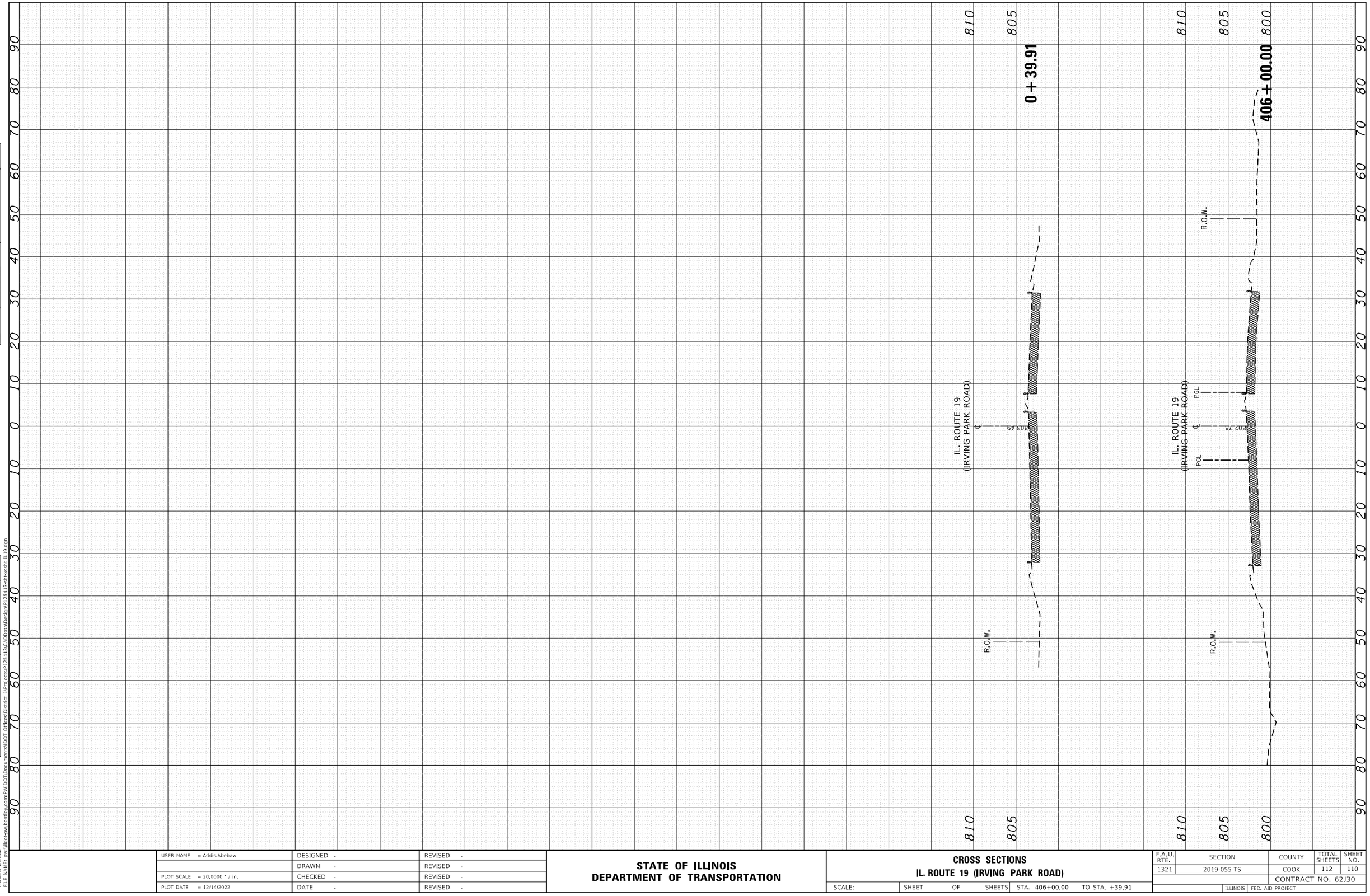
	DRAWN -	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/14/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL. ROUTE 19 (IRVING PARK ROAD)

SCALE: | SHEET OF SHEETS | STA. 401+56.64 | TO STA. 405+51.15

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	109
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			



USER NAME = Addis.Abebaw	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/14/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL. ROUTE 19 (IRVING PARK ROAD)

SCALE: | SHEET OF SHEETS | STA. 406+00.00 | TO STA. +39.91

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	2019-055-TS	COOK	112	110
		CONTRACT NO. 62J30		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

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ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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PLOT DATE = 12/14/2022 | PLOT SCALE = 20.0000 ' / in. | USER NAME = AGIR\AMehrw

DESIGNED - | DRAWN - | CHECKED - | DATE -

REVISED - | REVISED - | REVISED - | REVISED -

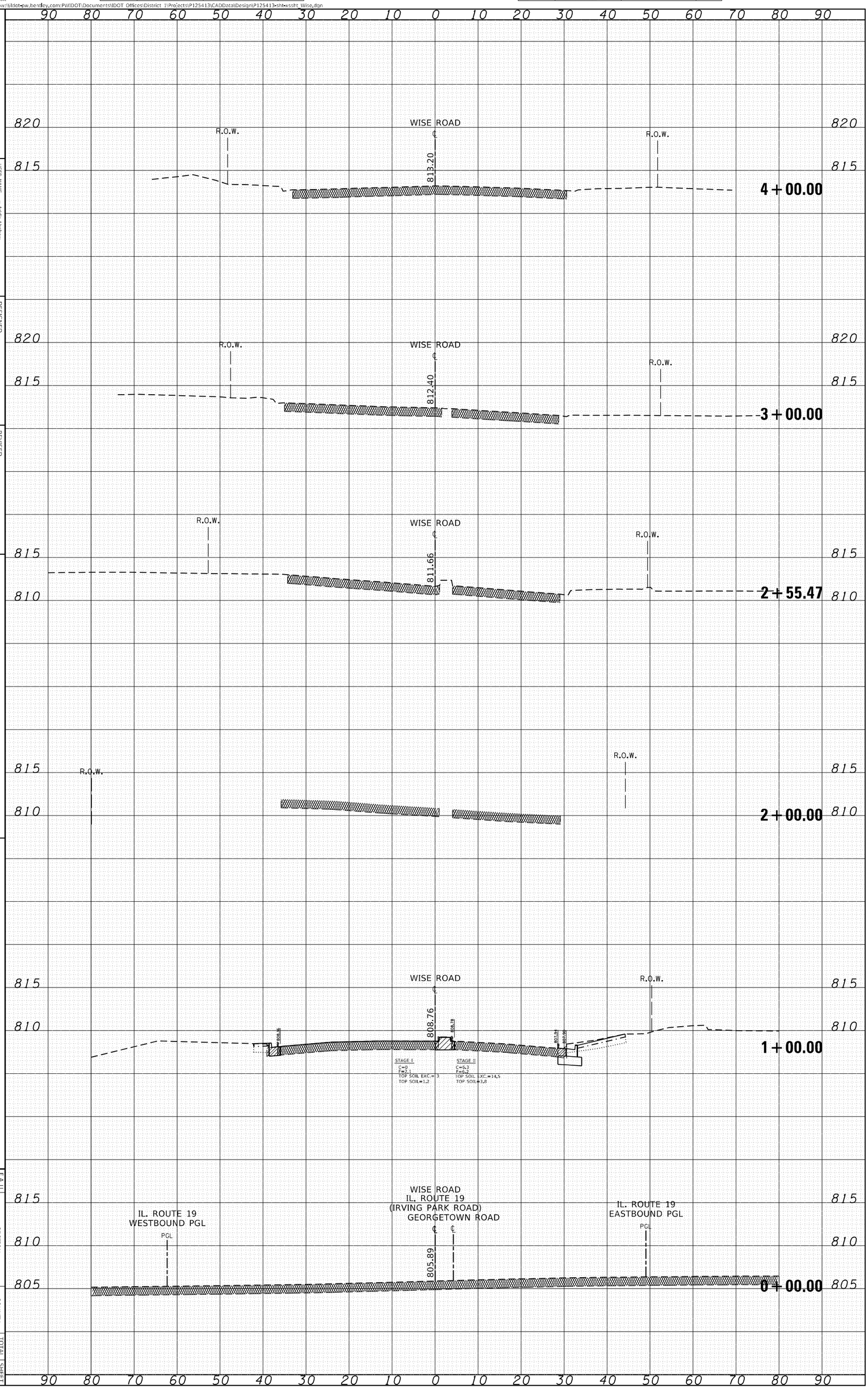
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

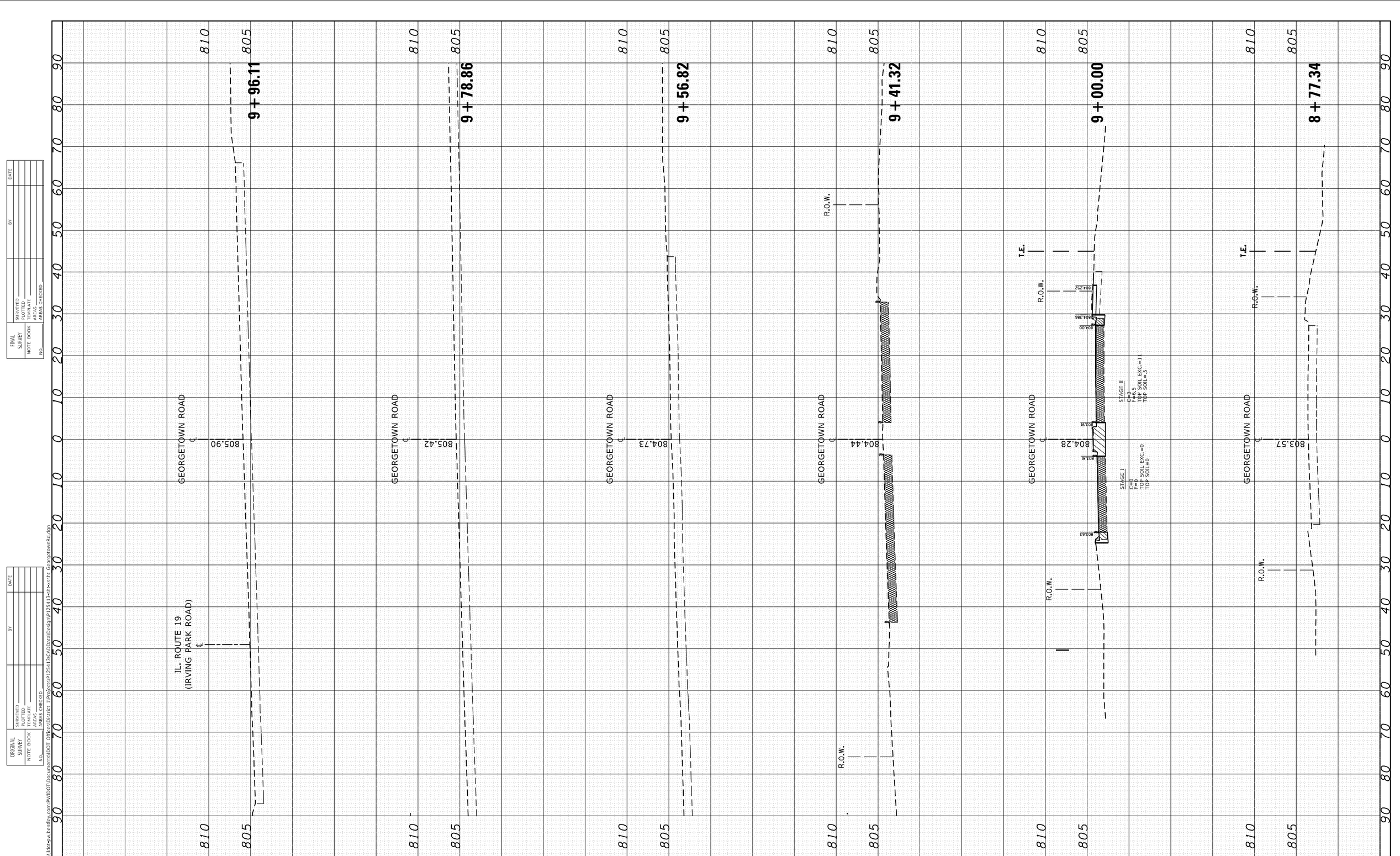
CROSS SECTIONS
WISE ROAD

SCALE: | SHEET | OF | SHEETS | STA. +00.00 | TO STA. 4+00.00

F.A.U. RTE. 1321 | SECTION | COUNTY COOK | TOTAL SHEETS 112 | SHEET NO. 111

ILLINOIS | FED. AID PROJECT | CONTRACT NO. 62J30





FINAL SURVEY
NOTE BOOK
NO.
(SURVEYED)
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

ORIGINAL SURVEY
NOTE BOOK
NO.
(SURVEYED)
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

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	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
GEORGETOWN ROAD

SCALE: | SHEET OF SHEETS | STA. 8+77.34 | TO STA. 9+96.11

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321		COOK	112	112
		CONTRACT NO. 62J30		
		ILLINOIS	FED. AID PROJECT	